

# IO MODULES

it's all about perfection







STRIVE IN PERFECTION  
IN WHATEVER YOU  
DO  
TAKE THE BEST THAT  
EXISTS AND MAKE IT  
BETTER  
WHEN IT DOES NOT  
EXIST. DESIGN IT.

Sir Henry Royce



# CONTENT

In this catalog you will find all our product range for our IO modules ...

OVERVIEW

SLIM IOs

BIG IOs - DIGITAL

BIG IOs – LED STRIPES

BIG IOs – ANALOG

BIG IOs – RTD SENSORS

BIG IOs – COMBINED

IO-5

IO-45

IO-74

IO-168

IO-170

IO-180

IO-185

# OVERVIEW

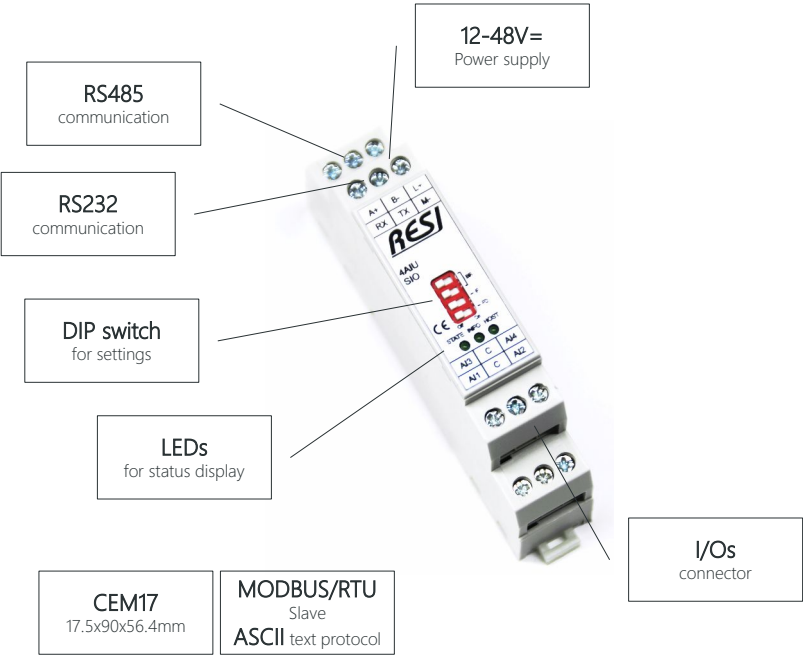
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***RESI***



# SLIMIOs:RESI-xxx-SIO

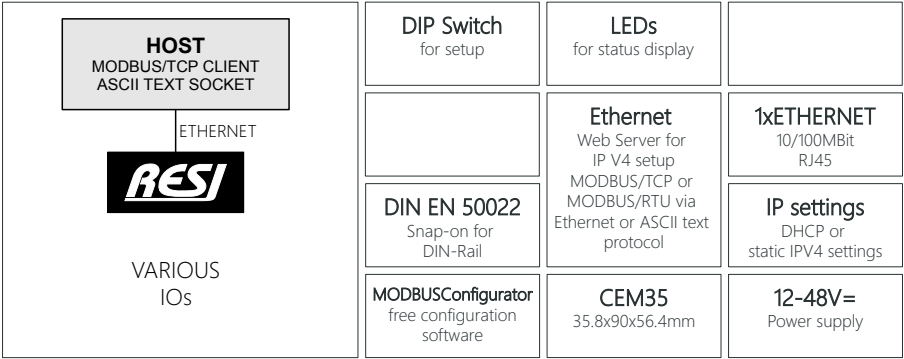
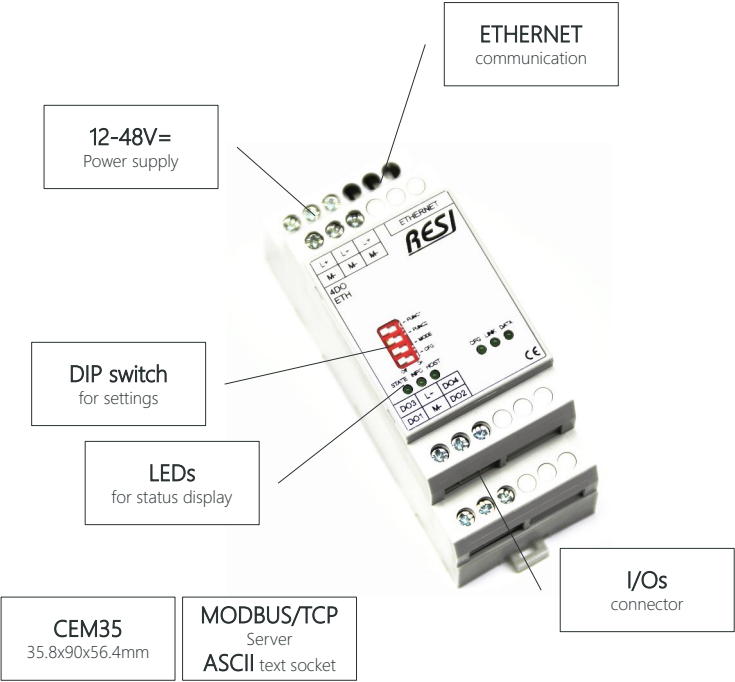
Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.



|                                                                                                                            |                                                      |                                                                                                 |                                                    |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <div>HOST<br/>MODBUS/RTU MASTER<br/>ASCII TEXT</div> <div>RS232<br/>RS485</div> <div>RESI</div> <div>VARIOUS<br/>IOs</div> | DIP Switch<br>for setup                              | LEDs<br>for status display                                                                      |                                                    |
|                                                                                                                            |                                                      | Serial Interface<br>300...256000Baud<br>No, even, odd parity<br>8 data bits<br>1 or 2 stop bits | 1xRS232<br>MODBUS/RTU slave<br>ASCII text protocol |
|                                                                                                                            | DIN EN 50022<br>Snap-on for<br>DIN-Rail              |                                                                                                 | 1xRS485<br>MODBUS/RTU slave<br>ASCII text protocol |
|                                                                                                                            | MODBUSConfigurator<br>free configuration<br>software | CEM17<br>17.5x90x56.4mm                                                                         | 12-48V=<br>Power supply                            |

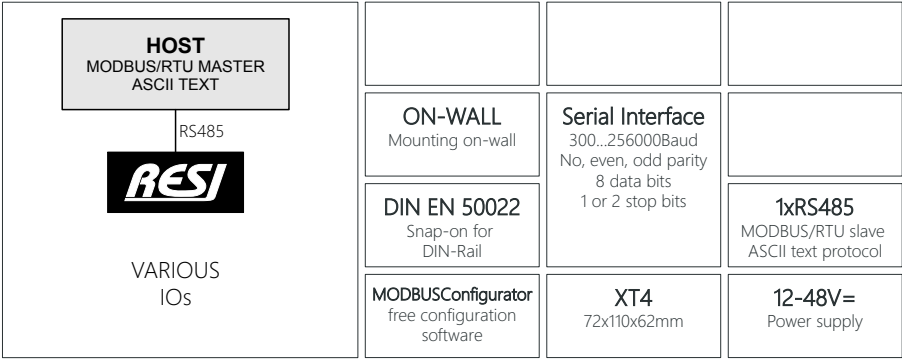
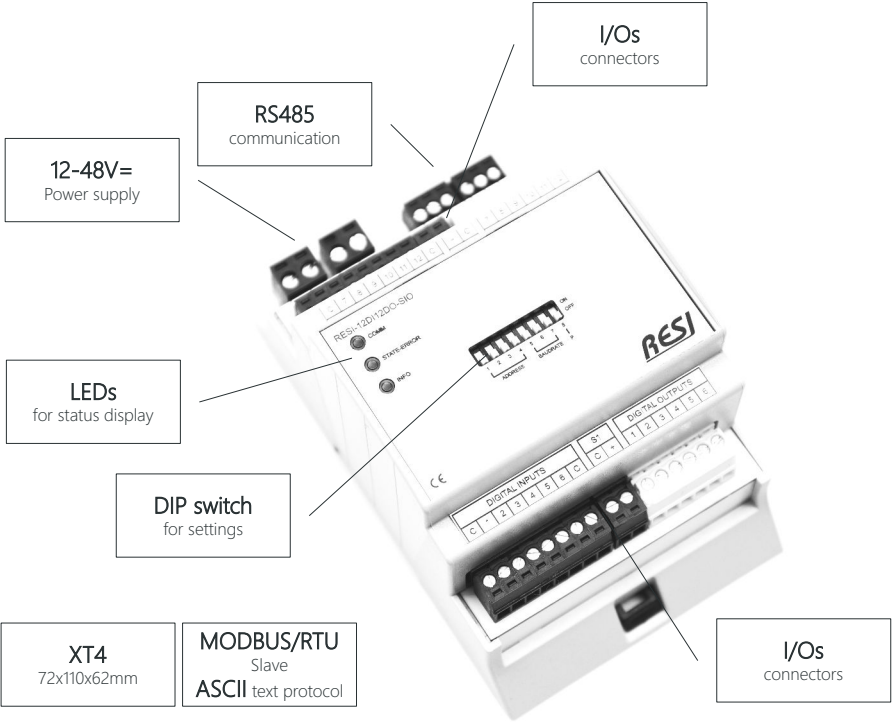
# SLIMIOs:RESI-xxx-ETH

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# BIGIOs:RESI-xxx-SIO

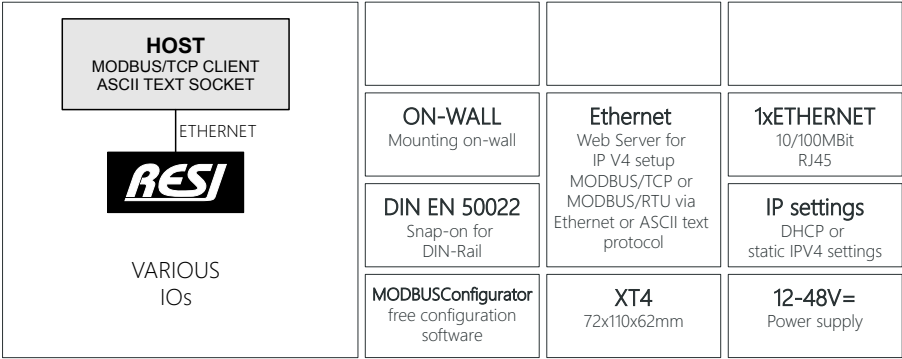
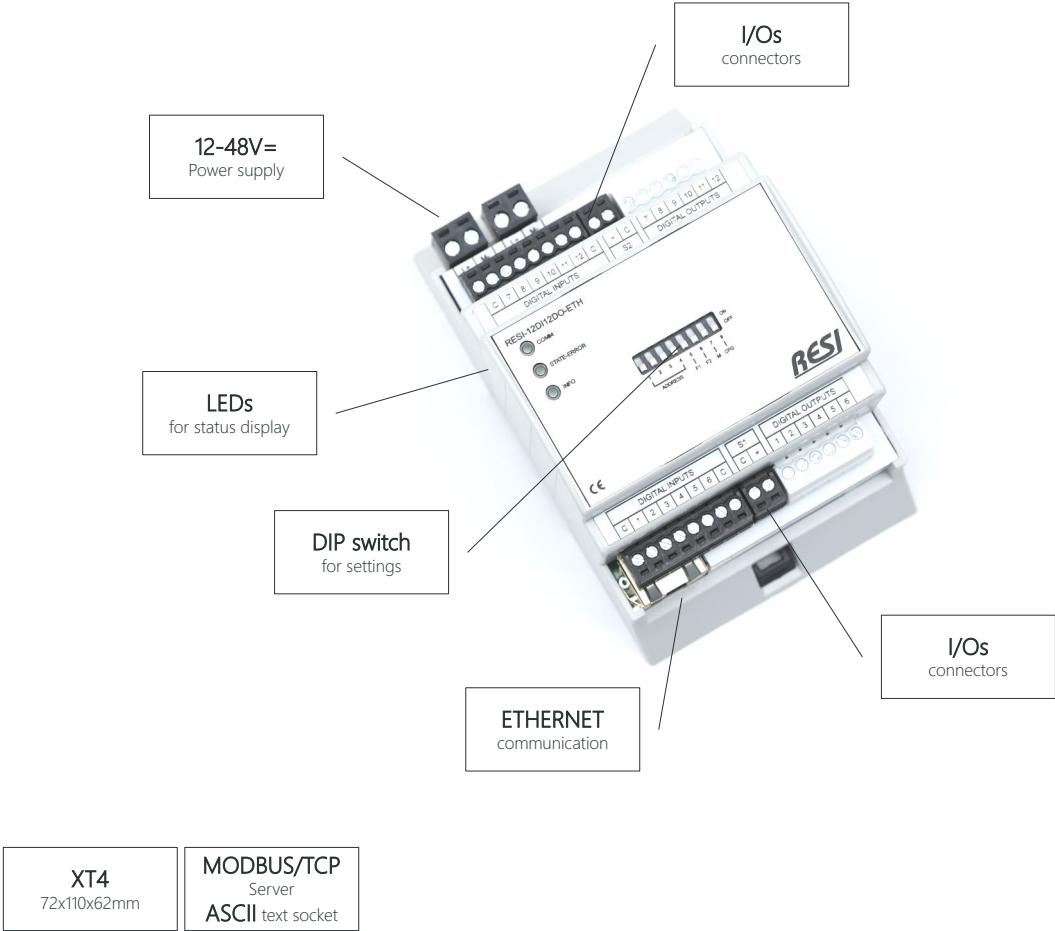
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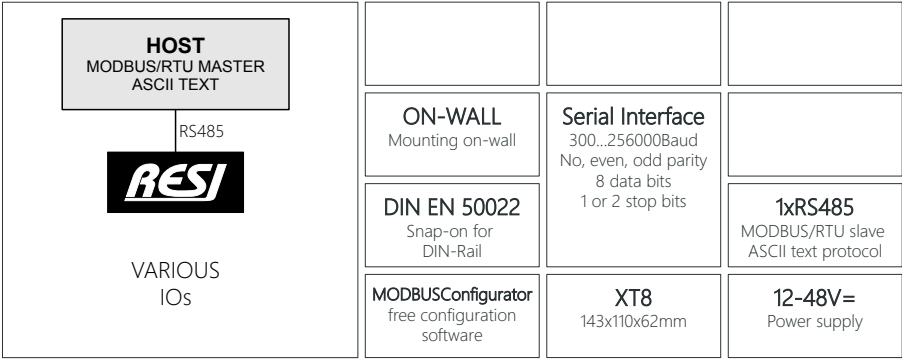
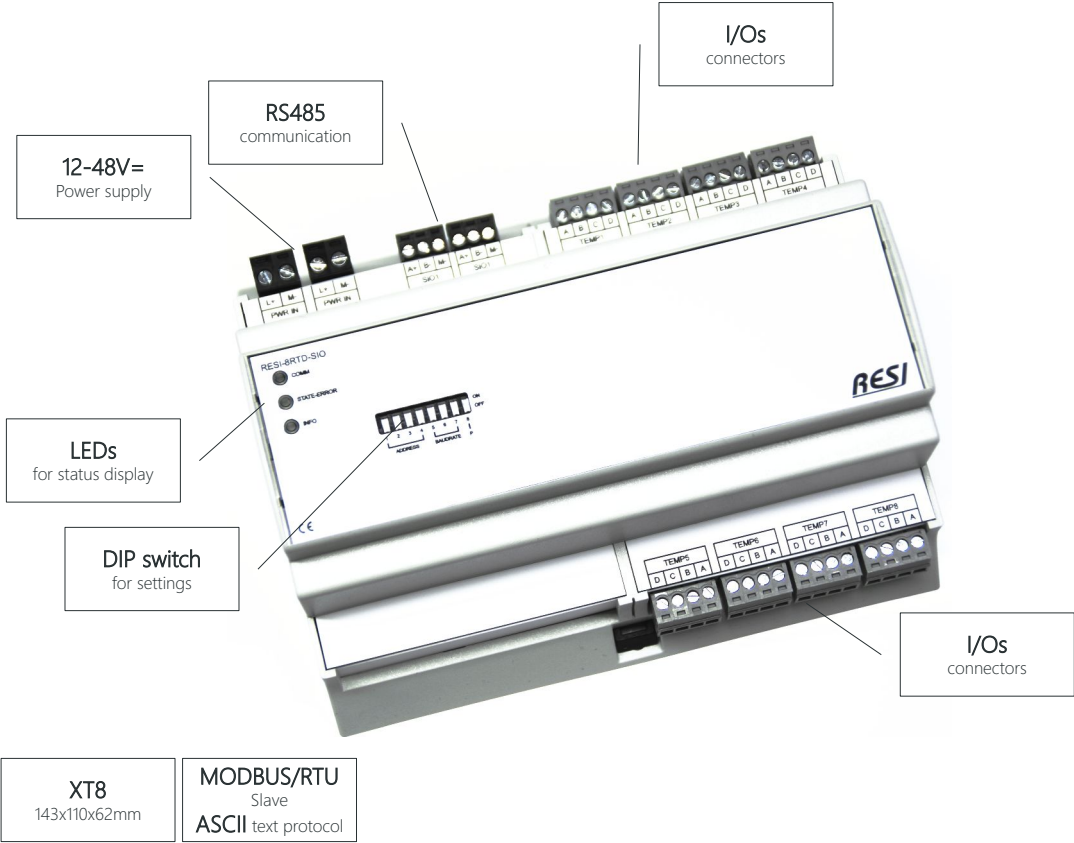
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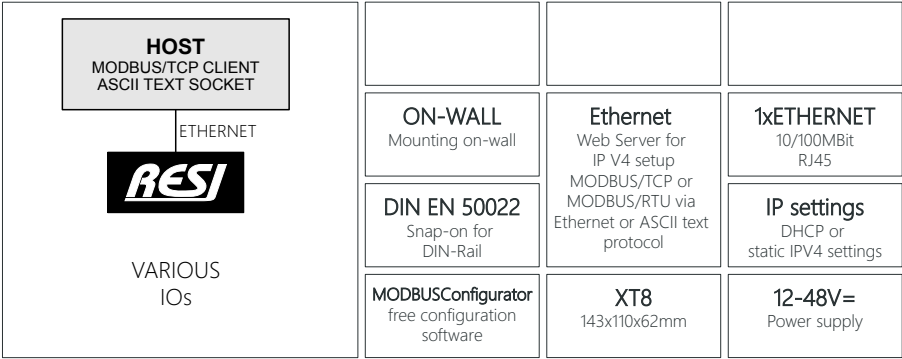
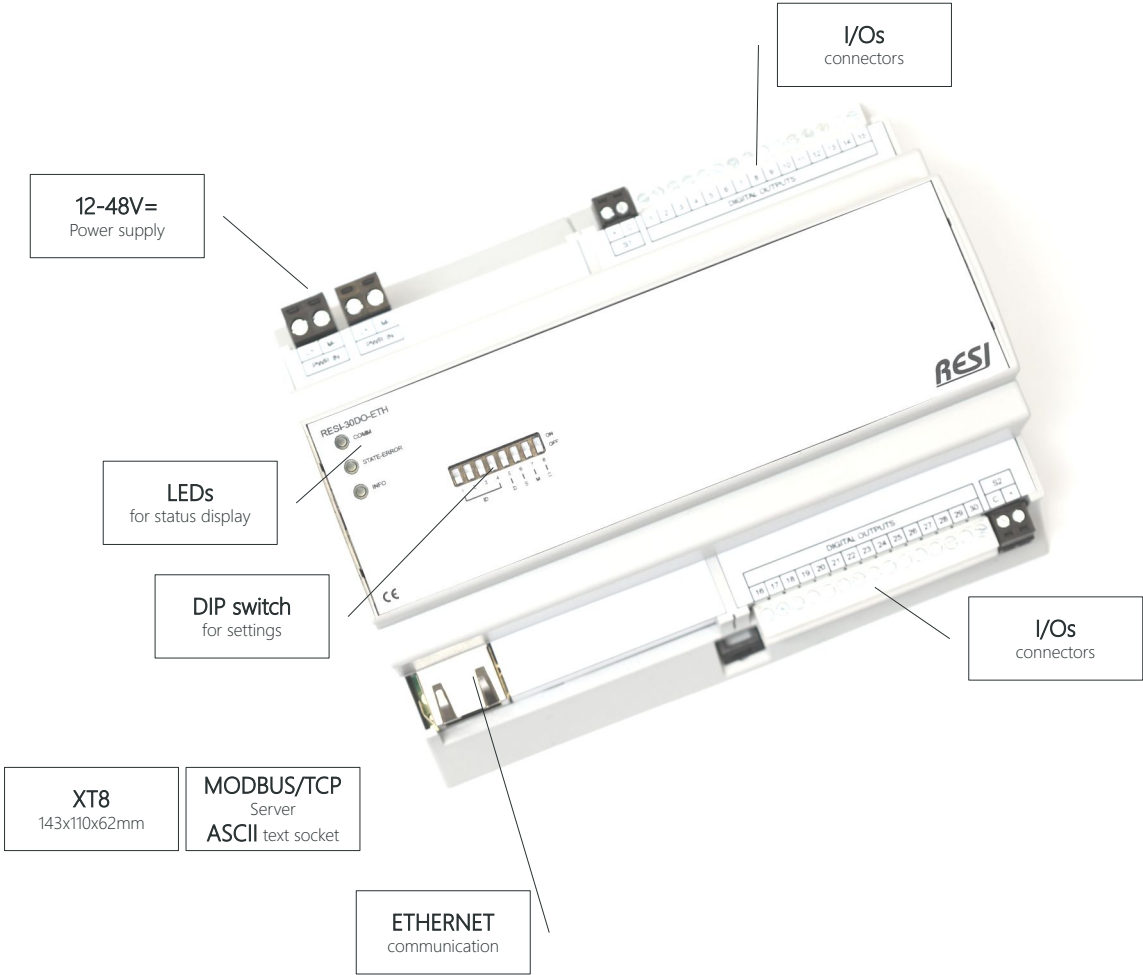
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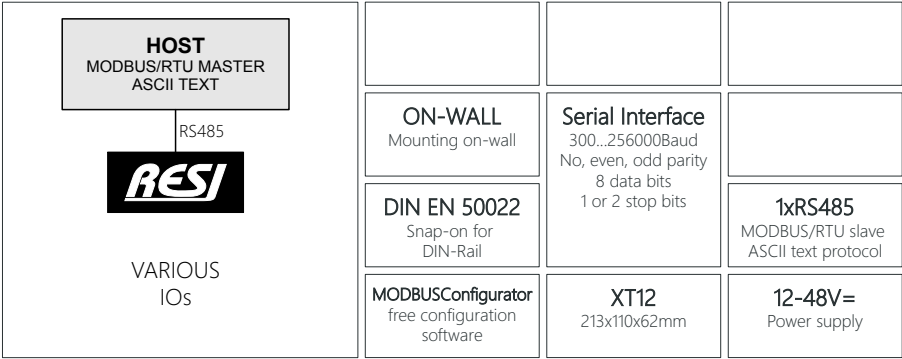
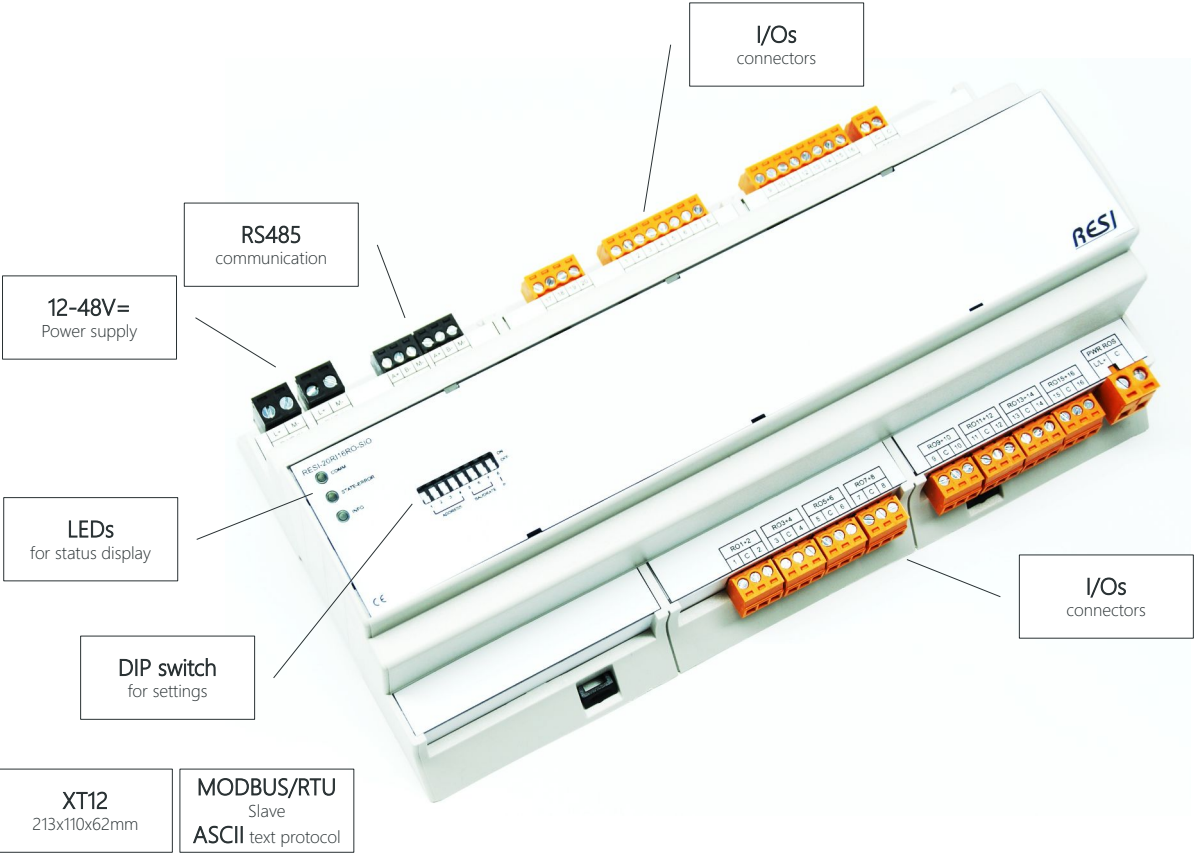
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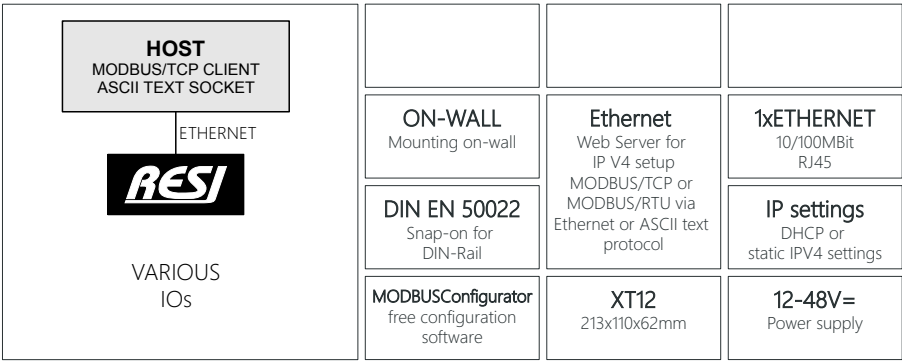
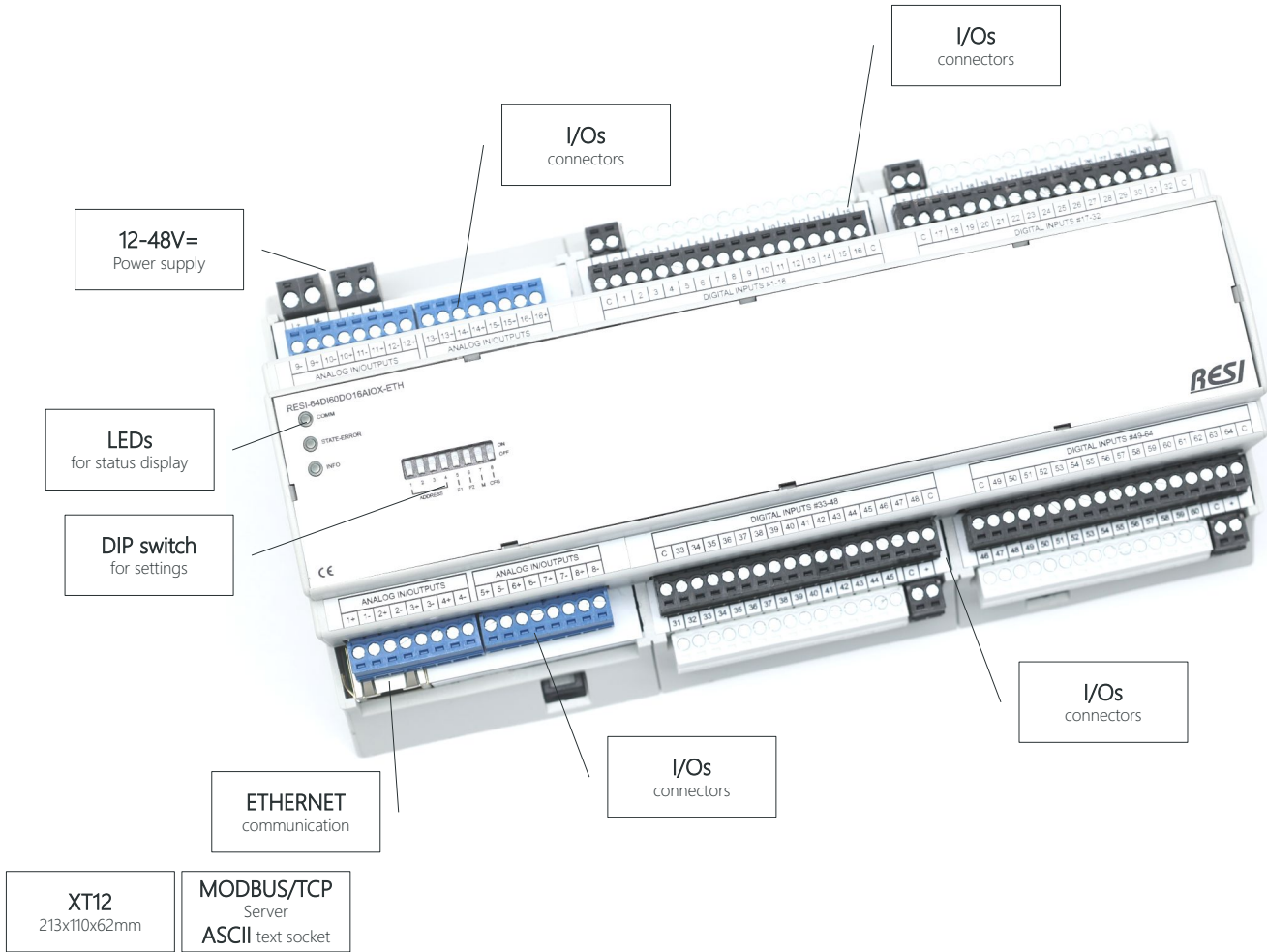
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# BIGIOs:RESI-xxx-ETH

Our powerful IO modules with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.



# IO TYPES

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# SLIMIOs: DIGITAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                |                |                         |      |                      |                                        |
|----------------|----------------|-------------------------|------|----------------------|----------------------------------------|
| RESI-2RI-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xRI | 2<br>Digital Inputs  | LOGIC INPUT<br>12...250V~=<br>≤1.8mA   |
| RESI-2RI-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      |                                        |
| RESI-4DI-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xDI | 4<br>Digital Inputs  | LOGIC INPUT<br>12...48V=<br>≤1.8mA     |
| RESI-4DI-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      |                                        |
| RESI-4DIBI-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xDI | 4<br>Digital Inputs  | LOGIC INPUT<br>12...48V=<br>≤1.8mA     |
| RESI-4DIBI-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      | Dry or wet contact cabling             |
| RESI-4DO-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xDO | 4<br>Digital Outputs | DIGITAL OUTPUT<br>≤30V=<br>≤700mA      |
| RESI-4DO-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      |                                        |
| RESI-1RO-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 1xRO | 1<br>Relay Output    | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤8A |
| RESI-1RO-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      | 1xForm C                               |
| RESI-2RO-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xRO | 2<br>Relay Outputs   | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤8A |
| RESI-2RO-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |      |                      | 2xForm A<br>Common root contact        |

# SLIMIOs:SOLID STATE

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                  |                |                         |             |                          |                                                                           |
|------------------|----------------|-------------------------|-------------|--------------------------|---------------------------------------------------------------------------|
| RESI-2SSR-1A-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xSSR<br>1A | 2<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 230V=\sim$<br>$\leq 1A$<br><br>2xForm A |
| RESI-2SSR-1A-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |             |                          |                                                                           |
| RESI-2SSR-3A-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xSSR<br>3A | 2<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 3A$<br><br>2xForm A  |
| RESI-2SSR-3A-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |             |                          |                                                                           |
| RESI-2SSR-6A-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xSSR<br>6A | 2<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 6A$<br><br>2xForm A  |
| RESI-2SSR-6A-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |             |                          |                                                                           |

# SLIMIOs:LED STRIPES

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                 |                |                         |                          |                            |                                                                                                                            |
|-----------------|----------------|-------------------------|--------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| RESI-1LED-SIO   | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 3xPWM                    | 3<br>PWM Outputs           | PWM OUTPUT<br>LED STRIPES<br>$\leq 60V=$<br>$\leq 5A$<br><br>3 individual channels<br>with external power supply           |
| RESI-1LED-ETH   | ETHERNET       | CEM35<br>35.8x90x56.4mm |                          |                            |                                                                                                                            |
| RESI-2LEDWS-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xChannels<br>512LEDs/Ch | intelligent<br>WS28xx LEDs | DATA OUTPUT<br>LED STRIPES<br>$5V=$ or $12V=$<br><br>two channel module control of<br>up to 512 WS28xx LEDs on one channel |
| RESI-2LEDWS-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |                          |                            |                                                                                                                            |



# SLIMIOs: UNIVERSAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                 |                |                         |                                                 |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------|-------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-S4AIOX-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xAIOX<br>Universal analog<br>Inputs or outputs | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit                                                                                                                                                                                                                                                                             |
| RESI-S4AIOX-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |                                                 |                                                                                                                                                                                 | ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |

# SLIMIOs: ANALOG IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                   |                |                         |                |                        |                                                                                  |                 |
|-------------------|----------------|-------------------------|----------------|------------------------|----------------------------------------------------------------------------------|-----------------|
| RESI-4AIU-SIO     | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xAIU          | 4<br>Analog Inputs     | 0...10V<br>-10V...+10V                                                           | ±0.1%<br>16 Bit |
| RESI-4AIU-ETH     | ETHERNET       | CEM35<br>35.8x90x56.4mm |                |                        |                                                                                  |                 |
| RESI-4AOU-SIO     | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 4xAOU          | 4<br>Analog Outputs    | -10V...+10V                                                                      | ±0.1%<br>12 Bit |
| RESI-4AOU-ETH     | ETHERNET       | CEM35<br>35.8x90x56.4mm |                |                        |                                                                                  |                 |
| RESI-2AIU2AOU-SIO | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xAIU<br>2xAOU | 2<br>Analog Inputs     | 0V...10V                                                                         | ±0.5%<br>12 Bit |
| RESI-2AIU2AOU-ETH | ETHERNET       | CEM35<br>35.8x90x56.4mm |                | 2<br>Analog Outputs    | 0V...10V                                                                         | ±0.5%<br>12 Bit |
| RESI-2RTD-SIO     | RS232<br>RS485 | CEM17<br>17.5x90x56.4mm | 2xRTD          | 2<br>RTD Sensor Inputs | SENSORS:<br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DIN43760<br>Ohm | ±0.1%<br>24 Bit |
| RESI-2RTD-ETH     | ETHERNET       | CEM35<br>35.8x90x56.4mm |                |                        |                                                                                  |                 |

# BIGIOs: DIGITAL IN

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|               |          |                      |       |                      |                                                                                               |
|---------------|----------|----------------------|-------|----------------------|-----------------------------------------------------------------------------------------------|
| RESI-14RI-SIO | RS485    | XT8<br>143x110x62mm  | 14xRI | 14<br>Digital Inputs | LOGIC INPUT 12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal      |
| RESI-14RI-ETH | ETHERNET | XT8<br>143x110x62mm  |       |                      |                                                                                               |
| RESI-48RI-SIO | RS485    | XT12<br>213x110x62mm | 48xRI | 48<br>Digital Inputs | LOGIC INPUT 12...250V~=<br>≤1.8mA<br><br>Organized in 4 groups with<br>12 digital inputs each |
| RESI-48RI-ETH | ETHERNET | XT12<br>213x110x62mm |       |                      |                                                                                               |

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|                |          |                      |        |                       |                                 |
|----------------|----------|----------------------|--------|-----------------------|---------------------------------|
| RESI-6DI-SIO   | RS485    | XT4<br>213x110x62mm  | 6xDI   | 6<br>Digital Inputs   | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-6DI-ETH   | ETHERNET | XT4<br>213x110x62mm  |        |                       |                                 |
| RESI-12DI-SIO  | RS485    | XT4<br>213x110x62mm  | 12xDI  | 12<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-12DI-ETH  | ETHERNET | XT4<br>213x110x62mm  |        |                       |                                 |
| RESI-24DI-SIO  | RS485    | XT4<br>213x110x62mm  | 24xDI  | 24<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-24DI-ETH  | ETHERNET | XT4<br>213x110x62mm  |        |                       |                                 |
| RESI-32DI-SIO  | RS485    | XT8<br>143x110x62mm  | 32xDI  | 32<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-32DI-ETH  | ETHERNET | XT8<br>143x110x62mm  |        |                       |                                 |
| RESI-64DI-SIO  | RS485    | XT12<br>213x110x62mm | 64xDI  | 64<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-64DI-ETH  | ETHERNET | XT12<br>213x110x62mm |        |                       |                                 |
| RESI-128DI-SIO | RS485    | XT12<br>213x110x62mm | 128xDI | 128<br>Digital Inputs | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-128DI-ETH | ETHERNET | XT12<br>213x110x62mm |        |                       |                                 |
| RESI-152DI-SIO | RS485    | XT12<br>213x110x62mm | 152xDI | 152<br>Digital Inputs | LOGIC INPUT 12...48V=<br>≤1.8mA |
| RESI-152DI-ETH | ETHERNET | XT12<br>213x110x62mm |        |                       |                                 |

# BIGIOs: DIGITAL OUT

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|               |          |                      |       |                       |                                                                                                                                                                                                                                     |
|---------------|----------|----------------------|-------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-6DO-SIO  | RS485    | XT4<br>213x110x62mm  | 6xDO  | 6<br>Digital Outputs  | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.  |
| RESI-6DO-ETH  | ETHERNET | XT4<br>213x110x62mm  |       |                       |                                                                                                                                                                                                                                     |
| RESI-12DO-SIO | RS485    | XT4<br>213x110x62mm  | 12xDO | 12<br>Digital Outputs | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.  |
| RESI-12DO-ETH | ETHERNET | XT4<br>213x110x62mm  |       |                       |                                                                                                                                                                                                                                     |
| RESI-24DO-SIO | RS485    | XT4<br>213x110x62mm  | 24xDO | 24<br>Digital Outputs | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 12 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |
| RESI-24DO-ETH | ETHERNET | XT4<br>213x110x62mm  |       |                       |                                                                                                                                                                                                                                     |
| RESI-30DO-SIO | RS485    | XT8<br>143x110x62mm  | 30xDO | 30<br>Digital Outputs | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |
| RESI-30DO-ETH | ETHERNET | XT8<br>143x110x62mm  |       |                       |                                                                                                                                                                                                                                     |
| RESI-60DO-SIO | RS485    | XT12<br>213x110x62mm | 60xDO | 60<br>Digital Outputs | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |
| RESI-60DO-ETH | ETHERNET | XT12<br>213x110x62mm |       |                       |                                                                                                                                                                                                                                     |
| RESI-90DO-SIO | RS485    | XT12<br>213x110x62mm | 90xDO | 90<br>Digital Outputs | DIGITAL OUTPUT $\leq 30V=$<br>$\leq 700mA$<br><br>Output is shortcut & over heat protected.<br>Organized in 6 groups with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |
| RESI-90DO-ETH | ETHERNET | XT12<br>213x110x62mm |       |                       |                                                                                                                                                                                                                                     |

# BIGIOs: DIGITAL OUT

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                |          |                      |                  |                       |                                                                                                                                                                                                                                                                          |
|----------------|----------|----------------------|------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-12DOI-SIO | RS485    | XT8<br>143x110x62mm  | 12xDO            | 12<br>Digital Outputs | <b>DIGITAL OUTPUT</b> $\leq 30V \sim =$<br>with current measurement<br><br><small>Current measurement for every output<br/>Organized in 2 groups with 6 outputs each.<br/>Each output group is externally supplied.<br/>For use with 24Vac or 24Vdc power supply</small> |
| RESI-12DOI-ETH | ETHERNET | XT8<br>143x110x62mm  |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-8CO-SIO   | RS485    | XT8<br>143x110x62mm  | 8xRO             | 8<br>Relay Outputs    | <b>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 8A$<br><br><small>8xForm C</small>                                                                                                                                                                         |
| RESI-8CO-ETH   | ETHERNET | XT8<br>143x110x62mm  |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-8COBI-SIO | RS485    | XT8<br>143x110x62mm  | 8xRO<br>bistable | 8<br>Relay Outputs    | <b>BISTABLE<br/>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 8A$<br><br><small>8xForm C</small>                                                                                                                                                            |
| RESI-8COBI-ETH | ETHERNET | XT8<br>143x110x62mm  |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-8RO-SIO   | RS485    | XT8<br>143x110x62mm  | 8xRO             | 8<br>Relay Outputs    | <b>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 6A$<br><br><small>8xForm A with common<br/>supply+root</small>                                                                                                                                             |
| RESI-8RO-ETH   | ETHERNET | XT8<br>143x110x62mm  |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-12RO-SIO  | RS485    | XT12<br>213x110x62mm | 12xRO            | 12<br>Relay Outputs   | <b>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 6A$<br><br><small>12xForm A</small>                                                                                                                                                                        |
| RESI-12RO-ETH  | ETHERNET | XT12<br>213x110x62mm |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-16RO-SIO  | RS485    | XT12<br>213x110x62mm | 16xRO            | 8<br>Relay Outputs    | <b>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 6A$<br><br><small>16xForm A with common<br/>supply+root</small>                                                                                                                                            |
| RESI-16RO-ETH  | ETHERNET | XT12<br>213x110x62mm |                  |                       |                                                                                                                                                                                                                                                                          |
| RESI-24RO-SIO  | RS485    | XT12<br>213x110x62mm | 24xRO            | 24<br>Relay Outputs   | <b>RELAY OUTPUT</b> $\leq 30V =$<br>$\leq 250V \sim$<br>$\leq 6A$<br><br><small>24xForm A</small>                                                                                                                                                                        |
| RESI-24RO-ETH  | ETHERNET | XT12<br>213x110x62mm |                  |                       |                                                                                                                                                                                                                                                                          |



# BIGIOs:SOLID STATE

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                   |          |                      |              |                           |                                                                            |
|-------------------|----------|----------------------|--------------|---------------------------|----------------------------------------------------------------------------|
| RESI-10SSR-1A-SIO | RS485    | XT8<br>143x110x62mm  | 10xSSR<br>1A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 230V=\sim$<br>$\leq 1A$<br><br>10xForm A |
| RESI-10SSR-1A-ETH | ETHERNET | XT8<br>143x110x62mm  |              |                           |                                                                            |
| RESI-10SSR-3A-SIO | RS485    | XT8<br>143x110x62mm  | 10xSSR<br>3A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 3A$<br><br>10xForm A  |
| RESI-10SSR-3A-ETH | ETHERNET | XT8<br>143x110x62mm  |              |                           |                                                                            |
| RESI-10SSR-6A-SIO | RS485    | XT8<br>143x110x62mm  | 10xSSR<br>6A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 6A$<br><br>10xForm A  |
| RESI-10SSR-6A-ETH | ETHERNET | XT8<br>143x110x62mm  |              |                           |                                                                            |
| RESI-20SSR-1A-SIO | RS485    | XT12<br>213x110x62mm | 20xSSR<br>1A | 20<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 230V=\sim$<br>$\leq 1A$<br><br>20xForm A |
| RESI-20SSR-1A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                            |
| RESI-20SSR-3A-SIO | RS485    | XT12<br>213x110x62mm | 20xSSR<br>3A | 20<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 3A$<br><br>20xForm A  |
| RESI-20SSR-3A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                            |
| RESI-20SSR-6A-SIO | RS485    | XT12<br>213x110x62mm | 20xSSR<br>6A | 20<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT $\leq 60V=\sim$<br>$\leq 6A$<br><br>20xForm A  |
| RESI-20SSR-6A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                            |

# BIGIOs: SOLID STATE & DI

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                     |          |                     |             |                          |                                                                                             |
|---------------------|----------|---------------------|-------------|--------------------------|---------------------------------------------------------------------------------------------|
| RESI-7RI5SSR-1A-SIO | RS485    | XT8<br>143x110x62mm | 7xRI        | 7<br>Digital Inputs      | LOGIC INPUT<br>12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-7RI5SSR-1A-ETH | ETHERNET | XT8<br>143x110x62mm |             |                          |                                                                                             |
|                     |          |                     | 5xSSR<br>1A | 5<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT<br>≤230V=~<br>≤1A<br><br>5xForm A                               |
| RESI-7RI5SSR-3A-SIO | RS485    | XT8<br>143x110x62mm | 7xRI        | 7<br>Digital Inputs      | LOGIC INPUT<br>12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-7RI5SSR-3A-ETH | ETHERNET | XT8<br>143x110x62mm |             |                          |                                                                                             |
|                     |          |                     | 5xSSR<br>3A | 5<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT<br>≤60V=~<br>≤3A<br><br>5xForm A                                |
| RESI-7RI5SSR-6A-SIO | RS485    | XT8<br>143x110x62mm | 7xRI        | 7<br>Digital Inputs      | LOGIC INPUT<br>12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-7RI5SSR-6A-ETH | ETHERNET | XT8<br>143x110x62mm |             |                          |                                                                                             |
|                     |          |                     | 5xSSR<br>6A | 5<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT<br>≤60V=~<br>≤6A<br><br>5xForm A                                |

# BIGIOs:SOLID STATE & DI

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                       |          |                      |              |                           |                                                                                          |
|-----------------------|----------|----------------------|--------------|---------------------------|------------------------------------------------------------------------------------------|
| RESI-14RI10SSR-1A-SIO | RS485    | XT12<br>213x110x62mm | 14xRI        | 14<br>Digital Inputs      | LOGIC INPUT 12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-14RI10SSR-1A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                                          |
|                       |          |                      | 10xSSR<br>1A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT ≤230V=~<br>≤1A<br><br>5xForm A                               |
| RESI-14RI10SSR-3A-SIO | RS485    | XT12<br>213x110x62mm | 14xRI        | 14<br>Digital Inputs      | LOGIC INPUT 12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-14RI10SSR-3A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                                          |
|                       |          |                      | 10xSSR<br>3A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT ≤60V=~<br>≤3A<br><br>5xForm A                                |
| RESI-14RI10SSR-6A-SIO | RS485    | XT12<br>213x110x62mm | 14xRI        | 14<br>Digital Inputs      | LOGIC INPUT 12...250V~=<br>≤1.8mA<br><br>Each input has its own 2pin<br>plug-in terminal |
| RESI-14RI10SSR-6A-ETH | ETHERNET | XT12<br>213x110x62mm |              |                           |                                                                                          |
|                       |          |                      | 10xSSR<br>6A | 10<br>Solid State Outputs | SOLID STATE<br>RELAY OUTPUT ≤60V=~<br>≤6A<br><br>5xForm A                                |

# BIGIOs:POWER RELAYS

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                    |          |                      |              |                             |                                                                                                                           |
|--------------------|----------|----------------------|--------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| RESI-S8PO-SIO      | RS485    | XT8<br>143x110x62mm  | 8xPO<br>16A  | 8<br>Bistable Power Relays  | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>8xForm A<br>with manual override  |
| RESI-S8PO-ETH      | ETHERNET | XT8<br>143x110x62mm  |              |                             |                                                                                                                           |
| RESI-S16DI8PO-SIO  | RS485    | XT8<br>143x110x62mm  | 16xDI        | 16<br>Digital Inputs        | LOGIC INPUT $12...48V =$<br>$\leq 1.8mA$                                                                                  |
| RESI-S16DI8PO-ETH  | ETHERNET | XT8<br>143x110x62mm  | 8xPO<br>16A  | 8<br>Bistable Power Relays  | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>8xForm A<br>with manual override  |
| RESI-S12PO-SIO     | RS485    | XT12<br>213x110x62mm | 12xPO<br>16A | 12<br>Bistable Power Relays | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>12xForm A<br>with manual override |
| RESI-S12PO-ETH     | ETHERNET | XT12<br>213x110x62mm |              |                             |                                                                                                                           |
| RESI-S20RI12PO-SIO | RS485    | XT12<br>213x110x62mm | 20xRI        | 20<br>Digital Inputs        | LOGIC INPUT $12...250V \sim =$<br>$\leq 1.8mA$                                                                            |
| RESI-S20RI12PO-ETH | ETHERNET | XT12<br>213x110x62mm | 12xPO<br>16A | 12<br>Bistable Power Relays | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>12xForm A<br>with manual override |
| RESI-8PO-SIO       | RS485    | XT12<br>213x110x62mm | 8xPO<br>16A  | 8<br>Bistable Power Relays  | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>8xForm A<br>with manual override  |
| RESI-8PO-ETH       | ETHERNET | XT12<br>213x110x62mm |              |                             |                                                                                                                           |
| RESI-16RI8PO-SIO   | RS485    | XT12<br>213x110x62mm | 16xRI        | 16<br>Digital Inputs        | LOGIC INPUT $12...250V \sim =$<br>$\leq 1.8mA$                                                                            |
| RESI-16RI8PO-ETH   | ETHERNET | XT12<br>213x110x62mm | 8xPO<br>16A  | 8<br>Bistable Power Relays  | BISTABLE POWER<br>RELAY OUTPUT $\leq 250V \sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br><br>8xForm A<br>with manual override  |

# BIGIOs: DIGITAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                   |          |                      |       |                       |                                                                                                                                                                                                                         |
|-------------------|----------|----------------------|-------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-6DI6DO-SIO   | RS485    | XT4<br>72x110x62mm   | 6xDI  | 6<br>Digital Inputs   | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                         |
| RESI-6DI6DO-ETH   | ETHERNET | XT4<br>72x110x62mm   | 6xDO  | 6<br>Digital Outputs  | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.   |
| RESI-12DI12DO-SIO | RS485    | XT4<br>72x110x62mm   | 12xDI | 12<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                         |
| RESI-12DI12DO-ETH | ETHERNET | XT4<br>72x110x62mm   | 12xDO | 12<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.  |
| RESI-16DI15DO-SIO | RS485    | XT8<br>143x110x62mm  | 16xDI | 16<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                         |
| RESI-16DI15DO-ETH | ETHERNET | XT8<br>143x110x62mm  | 15xDO | 15<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.  |
| RESI-32DI30DO-SIO | RS485    | XT12<br>213x110x62mm | 32xDI | 32<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                         |
| RESI-32DI30DO-ETH | ETHERNET | XT12<br>213x110x62mm | 30xDO | 30<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |

# BIGIOs: DIGITAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                   |          |                      |       |                       |                                                                                                                                                                                                                                                             |
|-------------------|----------|----------------------|-------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-64DI60DO-SIO | RS485    | XT12<br>213x110x62mm | 64xDI | 64<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                             |
| RESI-64DI60DO-ETH | ETHERNET | XT12<br>213x110x62mm | 60xDO | 60<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                     |
| RESI-76DI72DO-SIO | RS485    | XT12<br>213x110x62mm | 76xDI | 76<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                             |
| RESI-76DI72DO-ETH | ETHERNET | XT12<br>213x110x62mm | 72xDO | 72<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each<br>and 2 groups with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |

# BIGIOs: DIGITAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                       |          |                      |       |                       |                                                                                                                                                                                                                           |
|-----------------------|----------|----------------------|-------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-10RI8RO-SIO      | RS485    | XT8<br>143x110x62mm  | 10xRI | 10<br>Digital Inputs  | LOGIC INPUT<br>12...250V~=<br>≤1.8mA                                                                                                                                                                                      |
| RESI-10RI8RO-ETH      | ETHERNET | XT8<br>143x110x62mm  | 8xRO  | 8<br>Relay Outputs    | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>8xForm A with common<br>supply+root                                                                                                                                         |
| RESI-20RI16RO-SIO     | RS485    | XT12<br>213x110x62mm | 20xRI | 20<br>Digital Inputs  | LOGIC INPUT<br>12...250V~=<br>≤1.8mA                                                                                                                                                                                      |
| RESI-20RI16RO-ETH     | ETHERNET | XT12<br>213x110x62mm | 16xRO | 8<br>Relay Outputs    | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>16xForm A with common<br>supply+root                                                                                                                                        |
| RESI-32DI12RO-SIO     | RS485    | XT12<br>213x110x62mm | 32xDI | 32<br>Digital Inputs  | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                        |
| RESI-32DI12RO-ETH     | ETHERNET | XT12<br>213x110x62mm | 12xRO | 12<br>Relay Outputs   | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>12xForm A                                                                                                                                                                   |
| RESI-32DI24RO-SIO     | RS485    | XT12<br>213x110x62mm | 32xDI | 32<br>Digital Inputs  | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                        |
| RESI-32DI24RO-ETH     | ETHERNET | XT12<br>213x110x62mm | 24xRO | 24<br>Relay Outputs   | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>24xForm A                                                                                                                                                                   |
| RESI-44DI12DO24RO-SIO | RS485    | XT12<br>213x110x62mm | 44xDI | 44<br>Digital Inputs  | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                        |
| RESI-44DI12DO24RO-ETH | ETHERNET | XT12<br>213x110x62mm | 12xDO | 12<br>Digital Outputs | DIGITAL OUTPUT<br>≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. |
|                       |          |                      | 24xRO | 24<br>Relay Outputs   | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>24xForm A                                                                                                                                                                   |



# BIGIOs: SHADE & BLINDS

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                  |          |                      |       |                      |                                                                                                                               |
|------------------|----------|----------------------|-------|----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| RESI-4SB-SIO     | RS485    | XT8<br>143x110x62mm  | 4xSB  | 4<br>Shades & Blinds | RELAY OUTPUT<br>$\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub><br><br>8xForm A with common<br>supply+root  |
| RESI-4SB-ETH     | ETHERNET | XT8<br>143x110x62mm  |       |                      |                                                                                                                               |
| RESI-8SB-SIO     | RS485    | XT12<br>213x110x62mm | 8xSB  | 8<br>Shades & Blinds | RELAY OUTPUT<br>$\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub><br><br>16xForm A with common<br>supply+root |
| RESI-8SB-ETH     | ETHERNET | XT12<br>213x110x62mm |       |                      |                                                                                                                               |
| RESI-10RI4SB-SIO | RS485    | XT8<br>143x110x62mm  | 10xRI | 10<br>Digital Inputs | LOGIC INPUT<br>12...250V~=<br>$\leq 1.8mA$                                                                                    |
| RESI-10RI4SB-ETH | ETHERNET | XT8<br>143x110x62mm  | 4xSB  | 4<br>Shades & Blinds | RELAY OUTPUT<br>$\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub><br><br>8xForm A with common<br>supply+root  |
| RESI-20RI8SB-SIO | RS485    | XT12<br>213x110x62mm | 20xRI | 20<br>Digital Inputs | LOGIC INPUT<br>12...250V~=<br>$\leq 1.8mA$                                                                                    |
| RESI-20RI8SB-ETH | ETHERNET | XT12<br>213x110x62mm | 8xSB  | 8<br>Shades & Blinds | RELAY OUTPUT<br>$\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub><br><br>16xForm A with common<br>supply+root |

# BIGIOs:LED STRIPES

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|               |          |                     |                         |                   |                                                                                                                                            |
|---------------|----------|---------------------|-------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-4LED-SIO | RS485    | XT8<br>143x110x62mm | 4xGROUPs<br>3xPWM/Group | 12<br>PWM Outputs | PWM OUTPUT<br>LED STRIPES      ≤60V=<br>≤5A<br><br>12 individual channels organized<br>in 4 groups with external<br>power supply per group |
| RESI-4LED-ETH | ETHERNET | XT8<br>143x110x62mm |                         |                   |                                                                                                                                            |

# BIGIOs: UNIVERSAL IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                 |          |                    |                                                  |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|----------|--------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-4AIOX-SIO  | RS485    | XT4<br>72x110x62mm | 4xAIOX<br>Universal analog<br>Inputs or outputs  | <b>4<br/>Universal Inputs<br/>or Outputs</b><br><br>Each channel can be configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input  | <b>ANALOG INPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br><b>ANALOG OUTPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br><b>RTD Sensors</b><br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br><b>LOGIC INPUT</b> ≤40V ≤1.8mA<br><b>DRY CONTACT</b> 0.5...24.5mA |
| RESI-4AIOX-ETH  | ETHERNET | XT4<br>72x110x62mm |                                                  |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-8AIOX-SIO  | RS485    | XT4<br>72x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | <b>8<br/>Universal Inputs<br/>or Outputs</b><br><br>Each channel can be configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input  | <b>ANALOG INPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br><b>ANALOG OUTPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br><b>RTD Sensors</b><br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br><b>LOGIC INPUT</b> ≤40V ≤1.8mA<br><b>DRY CONTACT</b> 0.5...24.5mA |
| RESI-8AIOX-ETH  | ETHERNET | XT4<br>72x110x62mm |                                                  |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-16AIOX-SIO | RS485    | XT4<br>72x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | <b>16<br/>Universal Inputs<br/>or Outputs</b><br><br>Each channel can be configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | <b>ANALOG INPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br><b>ANALOG OUTPUTS</b><br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br><b>RTD Sensors</b><br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br><b>LOGIC INPUT</b> ≤40V ≤1.8mA<br><b>DRY CONTACT</b> 0.5...24.5mA |
| RESI-16AIOX-ETH | ETHERNET | XT4<br>72x110x62mm |                                                  |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

# BIGIOs: ANALOG IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                |          |                     |        |                              |                                                                                      |                 |
|----------------|----------|---------------------|--------|------------------------------|--------------------------------------------------------------------------------------|-----------------|
| RESI-12AIU-SIO | RS485    | XT8<br>143x110x62mm | 12xAIU | 12<br>Analog Inputs          | 0...10V<br>-10V...+10V                                                               | ±0.1%<br>16 Bit |
| RESI-12AIU-ETH | ETHERNET | XT8<br>143x110x62mm |        |                              |                                                                                      |                 |
| RESI-12AOU-SIO | RS485    | XT8<br>143x110x62mm | 12xAOU | 12<br>Analog Outputs         | -10V...+10V                                                                          | ±0.1%<br>12 Bit |
| RESI-12AOU-ETH | ETHERNET | XT8<br>143x110x62mm |        |                              |                                                                                      |                 |
| RESI-8RTD-SIO  | RS485    | XT8<br>143x110x62mm | 8xRTD  | 8<br>RTD Sensor Inputs       | SENSORS:<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DIN43760<br>Ohm | ±0.1%<br>24 Bit |
| RESI-8RTD-ETH  | ETHERNET | XT8<br>143x110x62mm |        | 2-wire, 3-wire<br>and 4-wire |                                                                                      |                 |
| RESI-8RTD2-SIO | RS485    | XT8<br>143x110x62mm | 8xRTD  | 8<br>RTD Sensor Inputs       | SENSORS:<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DIN43760<br>Ohm | ±0.1%<br>24 Bit |
| RESI-8RTD2-ETH | ETHERNET | XT8<br>143x110x62mm |        | 2-wire                       |                                                                                      |                 |

# BIGIOs: COMBINED IOs

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|                                                 |          |                    |                                                 |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|----------|--------------------|-------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-6DI6DO4AIOX-SIO                            | RS485    | XT4<br>72x110x62mm | 6xDI                                            | 6<br>Digital Inputs               | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-6DI6DO4AIOX-ETH                            | ETHERNET | XT4<br>72x110x62mm | 6xDO                                            | 6<br>Digital Outputs              | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                            |
| 4xAIOX<br>Universal analog<br>Inputs or outputs |          |                    |                                                 |                                   | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |
| RESI-6DI6DO8AIOX-SIO                            | RS485    | XT4<br>72x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-6DI6DO4AIOX-SIO |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-6DI6DO8AIOX-ETH                            | ETHERNET | XT4<br>72x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-6DI6DO4AIOX-ETH |                                                                                                                                                                                                                                                                                                                                                                                                                  |

# BIGIOs: COMBINED IOs

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|                         |          |                     |                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------|---------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-16DI15DO4AIOX-SIO  | RS485    | XT8<br>143x110x62mm | 16xDI                                            | 16<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-16DI15DO4AIOX-ETH  | ETHERNET | XT8<br>143x110x62mm | 15xDO                                            | 15<br>Digital Outputs                                                                                                                                                           | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                           |
|                         |          |                     | 4xAIOX<br>Universal analog<br>Inputs or outputs  | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |
| RESI-16DI15DO8AIOX-SIO  | RS485    | XT8<br>143x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-16DI15DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-16DI15DO8AIOX-ETH  | ETHERNET | XT8<br>143x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-16DI15DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-16DI15DO16AIOX-SIO | RS485    | XT8<br>143x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-16DI15DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-16DI15DO16AIOX-ETH | ETHERNET | XT8<br>143x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-16DI15DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |

# BIGIOs: COMBINED IOs

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|                         |          |                      |                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------|----------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-32DI30DO4AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 32xDI                                            | 32<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI30DO4AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 30xDO                                            | 30<br>Digital Outputs                                                                                                                                                           | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 2 group with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                           |
|                         |          |                      | 4xAIOX<br>Universal analog<br>Inputs or outputs  | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |
| RESI-32DI30DO8AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI30DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI30DO8AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI30DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI30DO16AIOX-SIO | RS485    | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI30DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI30DO16AIOX-ETH | ETHERNET | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI30DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |

# BIGIOs: COMBINED IOs

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|                         |          |                      |                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------|----------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-64DI60DO4AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 64xDI                                            | 64<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-64DI60DO4AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 60xDO                                            | 60<br>Digital Outputs                                                                                                                                                           | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcircuit & over heat protected.<br>Organized in 4 group with 15 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                       |
|                         |          |                      | 4xAIOX<br>Universal analog<br>Inputs or outputs  | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |
| RESI-64DI60DO8AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-64DI60DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-64DI60DO8AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-64DI60DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-64DI60DO16AIOX-SIO | RS485    | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-64DI60DO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-64DI60DO16AIOX-ETH | ETHERNET | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-64DI60DO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |



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|                         |          |                      |                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|----------|----------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-32DI12RO4AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 32xDI                                            | 32<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI12RO4AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 12xRO                                            | 12<br>Relay Outputs                                                                                                                                                             | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>12xForm A                                                                                                                                                                                                                                                                                                                                                             |
|                         |          |                      | 4xAIOX<br>Universal analog<br>Inputs or outputs  | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT<br>DRY CONTACT ≤40V ≤1.8mA<br>0.5...24.5mA |
| RESI-32DI12RO8AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI12RO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI12RO8AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI12RO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI12RO16AIOX-SIO | RS485    | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI12RO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI12RO16AIOX-ETH | ETHERNET | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI12RO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |

# BIGIOs: COMBINED IOs

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|                         |          |                      |                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|----------|----------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-32DI24RO4AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 32xDI                                            | 32<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-32DI24RO4AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 24xRO                                            | 24<br>Relay Outputs                                                                                                                                                             | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>24xForm A                                                                                                                                                                                                                                                                                                                                                             |
|                         |          |                      | 4xAIOX<br>Universal analog<br>Inputs or outputs  | 4<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT<br>DRY CONTACT ≤40V ≤1.8mA<br>0.5...24.5mA |
| RESI-32DI24RO8AIOX-SIO  | RS485    | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI24RO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI24RO8AIOX-ETH  | ETHERNET | XT12<br>213x110x62mm | 8xAIOX<br>Universal analog<br>Inputs or outputs  | Rest like<br>RESI-32DI24RO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI24RO16AIOX-SIO | RS485    | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI24RO4AIOX-SIO                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RESI-32DI24RO16AIOX-ETH | ETHERNET | XT12<br>213x110x62mm | 16xAIOX<br>Universal analog<br>Inputs or outputs | Rest like<br>RESI-32DI24RO4AIOX-ETH                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |

# BIGIOs: COMBINED IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                           |          |                                                 |       |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|----------|-------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-38DI6DO24RO8AIOX-SIO | RS485    | XT12<br>213x110x62mm                            | 38xDI | 38<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT<br>12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-38DI6DO24RO8AIOX-ETH | ETHERNET | XT12<br>213x110x62mm                            | 6xDO  | 6<br>Digital Outputs                                                                                                                                                            | DIGITAL OUTPUT<br>≤30V=<br>≤700mA<br><br>Output is shortcircuit & over heat protected.<br>Organized in 1 group with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                        |
|                           |          |                                                 | 24xRO | 24<br>Relay Outputs                                                                                                                                                             | RELAY OUTPUT<br>≤30V=<br>≤250V~<br>≤6A<br><br>24xForm A                                                                                                                                                                                                                                                                                                                                                             |
|                           |          | 8xAIOX<br>Universal analog<br>Inputs or outputs |       | 8<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT<br>DRY CONTACT ≤40V ≤1.8mA<br>0.5...24.5mA |

# BIGIOs: COMBINED IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                             |          |                                                 |             |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|----------|-------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-6DI6DO16RI8PO8AIOX-SIO | RS485    | XT12<br>213x110x62mm                            | 6xDI        | 6<br>Digital Inputs                                                                                                                                                             | LOGIC INPUT12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                           |
| RESI-6DI6DO16RI8PO8AIOX-ETH | ETHERNET | XT12<br>213x110x62mm                            | 6xDO        | 6<br>Digital Outputs                                                                                                                                                            | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                                                    |
|                             |          |                                                 | 16xRI       | 16<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT12...250V~=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                         |
|                             |          |                                                 | 8xPO<br>16A | 8<br>Bistable Power Relays                                                                                                                                                      | BISTABLE POWER<br>RELAY OUTPUT ≤250V~<br>≤16A<br>≤200μF<br><br>8xForm A<br>with manual override                                                                                                                                                                                                                                                                                                          |
|                             |          | 8xAIOX<br>Universal analog<br>Inputs or outputs |             | 8<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω0.5%±0.5 16 Bit<br>80...200Ω0.3% 16 Bit<br>200...10kΩ0.2% 16 Bit<br>10kΩ...20kΩ0.3% 16 Bit<br>20kΩ...100kΩ0.8% 16 Bit<br>100kΩ...200kΩ1.0% 16 Bit<br>200kΩ...1MΩ8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT0.5...24.5mA |

# BIGIOs: COMBINED IOs

Our powerful IO modules in a very slim housing with MODBUS/RTU or MODBUS/TCP host interface or ASCII text protocol. Control and monitor all integrated IOs via MODBUS registers or via simple ASCII text strings. Integrated WATCHDOG function sets all outputs to predefined states in case of a communication breakdown.

|                                                                                                                                                                                 |          |                      |       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|-------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESI-70DI66DO8AIOX-SIO                                                                                                                                                          | RS485    | XT12<br>213x110x62mm | 70xDI | 70<br>Digital Inputs  | LOGIC INPUT 12...48V=<br>≤1.8mA                                                                                                                                                                                                                                                                                                                                                                                  |
| RESI-70DI66DO8AIOX-ETH                                                                                                                                                          | ETHERNET | XT12<br>213x110x62mm | 66xDO | 66<br>Digital Outputs | DIGITAL OUTPUT ≤30V=<br>≤700mA<br><br>Output is shortcut & over heat protected.<br>Organized in 4 group with 15 outputs each<br>and 1 group with 6 outputs each.<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                                                                                                                                        |
| 8xAIOX<br>Universal analog<br>Inputs or outputs                                                                                                                                 |          |                      |       |                       | ANALOG INPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.2% 16 Bit<br><br>ANALOG OUTPUTS<br>0...10V or 0..20mA or 4..20mA<br>±0.3% 13 Bit<br><br>RTD Sensors<br>0...80Ω 0.5%±0.5 16 Bit<br>80...200Ω 0.3% 16 Bit<br>200...10kΩ 0.2% 16 Bit<br>10kΩ...20kΩ 0.3% 16 Bit<br>20kΩ...100kΩ 0.8% 16 Bit<br>100kΩ...200kΩ 1.0% 16 Bit<br>200kΩ...1MΩ 8.0% 16 Bit<br><br>LOGIC INPUT ≤40V ≤1.8mA<br>DRY CONTACT 0.5...24.5mA |
| 8<br>Universal Inputs<br>or Outputs<br><br>Each channel can be<br>configured to:<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Sensor<br>Input<br>or<br>Digital Input |          |                      |       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                  |

# DETAILS

it's all about perfection



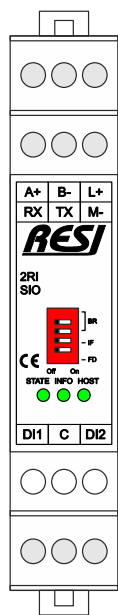
# SLIMIOs

it's all about perfection \_\_\_\_\_

***RESI***

# RESI-2RI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers two independent digital inputs for AC or DC signals 12-250V~ =



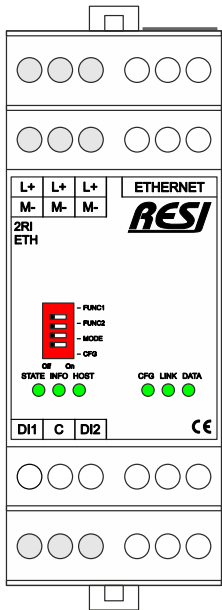
|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                   |                                                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|
| 2<br>Digital Inputs                                                                                                                                                                               | LOGIC INPUT<br>galvanic insulated<br>common root contact | 12...250V~=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 2 digital inputs for 12-250Vac/dc signals.<br>Common root contact for both inputs.<br>Both inputs are galvanic-ally insulated from the rest of the module. |                                                          |                       |



# RESI-2RI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers two independent digital inputs for AC or DC signals 12-250V~ =

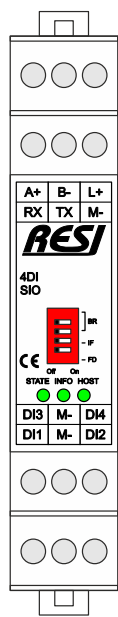


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                   |                                                          |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|
| 2<br>Digital Inputs                                                                                                                                                                               | LOGIC INPUT<br>galvanic insulated<br>common root contact | 12...250V~=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 2 digital inputs for 12-250Vac/dc signals.<br>Common root contact for both inputs.<br>Both inputs are galvanic-ally insulated from the rest of the module. |                                                          |                       |

# RESI-4DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers four independent digital inputs for DC signals 12-48V=

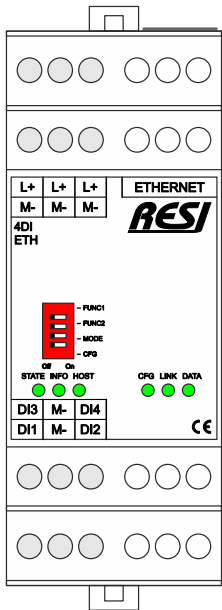


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                          |                                    |                     |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|
| 4<br>Digital Inputs                                                                                                      | LOGIC INPUT<br>common root contact | 12...48V=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 4 digital inputs for 12-48dc signals.<br>Common root contact for all four inputs. |                                    |                     |

# RESI-4DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers four independent digital inputs for DC signals 12-48V=

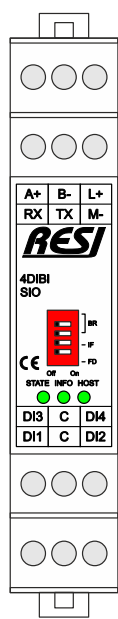


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                          |                                    |                     |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|
| 4<br>Digital Inputs                                                                                                      | LOGIC INPUT<br>common root contact | 12...48V=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 4 digital inputs for 12-48dc signals.<br>Common root contact for all four inputs. |                                    |                     |

# RESI-4DIBI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers four independent digital inputs for DC signals 12-48V=. The module can be used for dry or wet contact cabling.

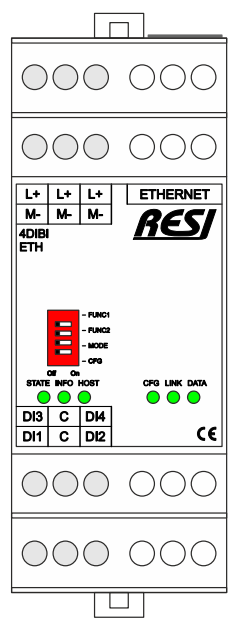


|                                         |                         |                |
|-----------------------------------------|-------------------------|----------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          | DRY<br>CONTACT |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply | WET<br>CONTACT |

|                                                                                                                                                                                                             |                                             |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| 4<br>Digital Inputs                                                                                                                                                                                         | LOGIC INPUT<br>common root or power contact | 12...48V=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 4 digital inputs for 12-48dc signals.<br>Common root or power supply contact for all four inputs.<br>All four inputs can be used as dry contacts or as wet contacts. |                                             |                     |

# RESI-4DIBI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers four independent digital inputs for DC signals 12-48V=. The module can be used for dry or wet contact cabling.

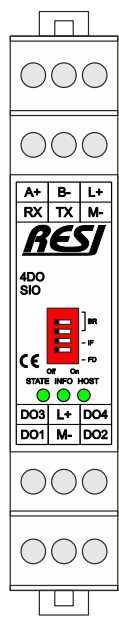


|                                         |                         |                |
|-----------------------------------------|-------------------------|----------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                | DRY<br>CONTACT |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply | WET<br>CONTACT |

|                                                                                                                                                                                                             |                                             |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| 4<br>Digital Inputs                                                                                                                                                                                         | LOGIC INPUT<br>common root or power contact | 12...48V=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 4 digital inputs for 12-48dc signals.<br>Common root or power supply contact for all four inputs.<br>All four inputs can be used as dry contacts or as wet contacts. |                                             |                     |

# RESI-4DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers four independent digital outputs for DC signals with external power supply.

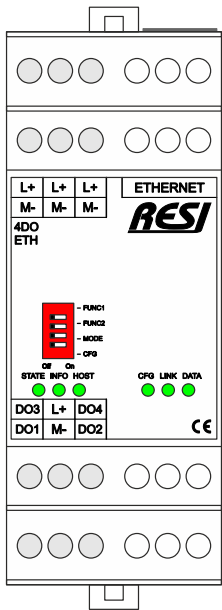


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                   |                                                                |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------|
| 4<br>Digital Outputs                                                                                                                                                                                                                                                                              | DIGITAL OUTPUT<br>common root contact<br>external power supply | ≤30V=<br>≤700mA |
| <b>Functionality</b><br>IO module with 4 digital output for DC signals.<br>Common root contact for all four outputs.<br>Each output is protected against thermal overhear and shortcut.<br>Output group is galvanic-ally insulated from rest of module.<br>External power supply for all outputs. |                                                                |                 |

# RESI-4DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers four independent digital outputs for DC signals with external power supply.

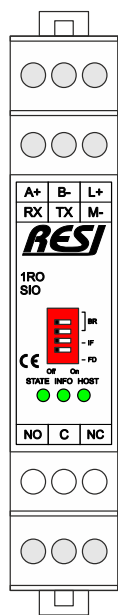


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                   |                                                                |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------|
| 4<br>Digital Outputs                                                                                                                                                                                                                                                                              | DIGITAL OUTPUT<br>common root contact<br>external power supply | ≤30V=<br>≤700mA |
| <b>Functionality</b><br>IO module with 4 digital output for DC signals.<br>Common root contact for all four outputs.<br>Each output is protected against thermal overhear and shortcut.<br>Output group is galvanic-ally insulated from rest of module.<br>External power supply for all outputs. |                                                                |                 |

# RESI-1RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers one relay output with a Form C relay.



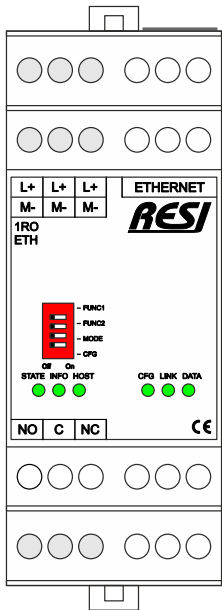
|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          | 1xFormC |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |         |

|                                                                                |                        |                                                          |
|--------------------------------------------------------------------------------|------------------------|----------------------------------------------------------|
| 1<br>Relay Output                                                              | RELAY OUTPUT<br>Form C | $\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 8A$<br>$AgSnO_2$ |
| Functionality<br>IO module with 1 relay output for switching AC or DC signals. |                        |                                                          |



# RESI-1RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers one relay output with a Form C relay.

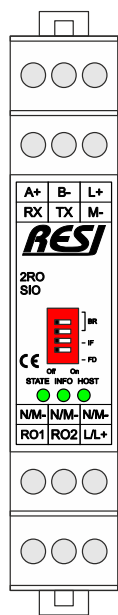


|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                | 1xFormC |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |         |

|                                                                                |                        |                                              |
|--------------------------------------------------------------------------------|------------------------|----------------------------------------------|
| 1<br>Relay<br>Output                                                           | RELAY OUTPUT<br>Form C | ≤30V=<br>≤250V~<br>≤8A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 1 relay output for switching AC or DC signals. |                        |                                              |

# RESI-2RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers two relay outputs with Form A relays.

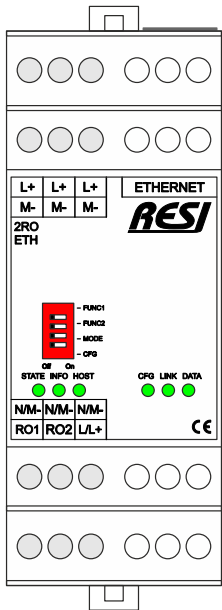


|                                         |                         |                                                                                      |
|-----------------------------------------|-------------------------|--------------------------------------------------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          | 2xFormA                                                                              |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |  |

|                                                                                 |                                                 |                                              |
|---------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------|
| 2<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>2xForm A<br>common root contact | ≤30V=<br>≤250V~<br>≤8A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 2 relay outputs for switching AC or DC signals. |                                                 |                                              |

# RESI-2RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers two relay outputs with Form A relays.

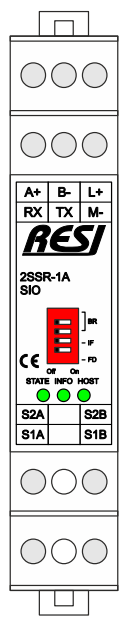


|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                | 2xFormA |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |         |

|                                                                                 |                                                 |                                              |
|---------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------|
| 2<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>2xForm A<br>common root contact | ≤30V=<br>≤250V~<br>≤8A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 2 relay outputs for switching AC or DC signals. |                                                 |                                              |

# RESI-2SSR-xA-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers two solid state relay outputs with Form A solid state relays.

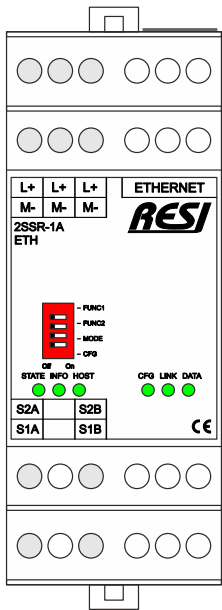


|                                         |                         |         |
|-----------------------------------------|-------------------------|---------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          | 2xFormA |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |         |

|                                                                                                                                                                                                                                                                                                                                                |                                |                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| 2<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                    | SOLID STATE OUTPUT<br>2xForm A | $\leq 230V\sim =$<br>$\leq 1A$<br>or<br>$\leq 60V\sim =$<br>$\leq 3A$<br>or<br>$\leq 60V\sim =$<br>$\leq 6A$ |
| <b>Functionality</b><br>IO module with 2 solid state outputs for switching AC or DC signals.<br>Three variants:<br>RESI-2SSR-1A-xxx: Solid state relays with $\leq 230V\sim =$ , $\leq 1A$<br>RESI-2SSR-3A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 3A$<br>RESI-2SSR-6A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 6A$ |                                |                                                                                                              |

# RESI-2SSR-xA-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers two solid state relay outputs with Form A solid state relays

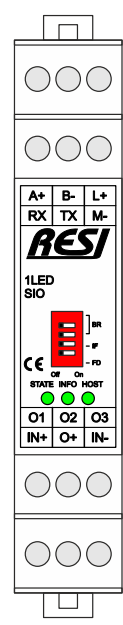
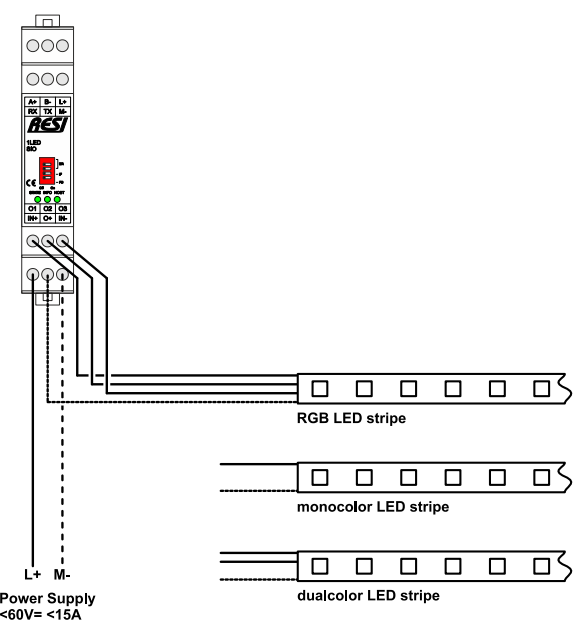


|                                         |                         |                                                                                      |
|-----------------------------------------|-------------------------|--------------------------------------------------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                | 2xFormA                                                                              |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |  |

|                                                                                                                                                                                                                                                                                     |                                |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------|
| 2<br>Solid State<br>Outputs                                                                                                                                                                                                                                                         | SOLID STATE OUTPUT<br>2xForm A | ≤230V~=<br>≤1A<br>or<br>≤60V~=<br>≤3A<br>or<br>≤60V~=<br>≤6A |
| <b>Functionality</b><br>IO module with 2 solid state outputs for switching AC or DC signals.<br>Three variants:<br>RESI-2SSR-1A-xxx: Solid state relays with ≤230V~=<br>RESI-2SSR-3A-xxx: Solid state relays with ≤60V~=<br>RESI-2SSR-6A-xxx: Solid state relays with ≤60V~=<br>≤6A |                                |                                                              |

# RESI-1LED-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module is a three channel PWM dimmer module for LED stripes with constant voltage and common anode.

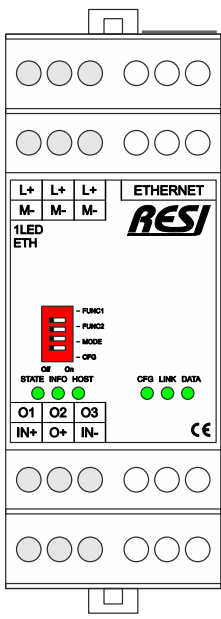
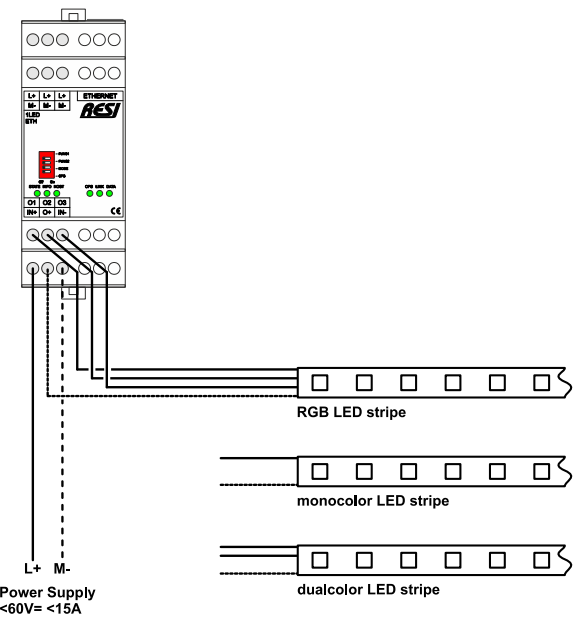


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                                                 |                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|
| 3<br>PWM Outputs                                                                                                                                                                                                                                                                                                                | PWM OUTPUT<br>for LED Stripes | ≤60V=<br>≤5A/channel |
| <b>Functionality</b><br>IO module with 3 PWM outputs for dimming LED stripes with constant voltage and common anode.<br>Module is designed for RGB, dual white or mono colour LED stripes.<br>Each channel can drive 5A maximum current.<br>External power supply for LED stripes (e.g. 12V= or 24V=) ≤60V= and ≤15A necessary. |                               |                      |

# RESI-1LED-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module is a three channel PWM dimmer module for LED stripes with constant voltage and common anode.

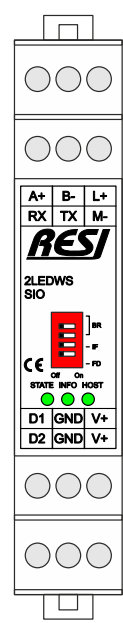
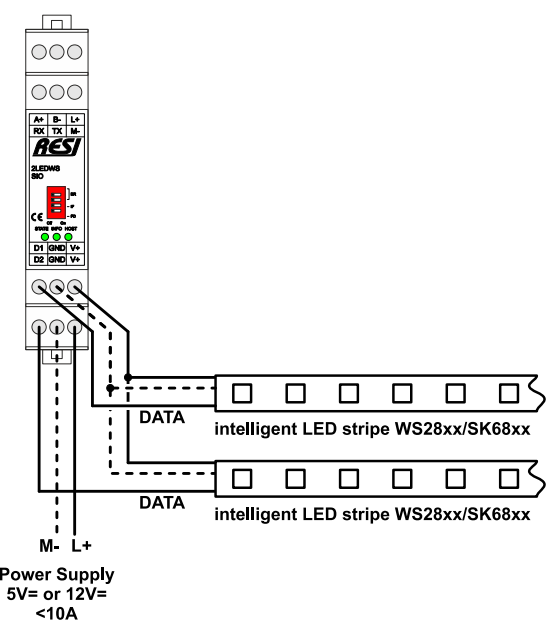


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                                                 |                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|
| 3<br>PWM Outputs                                                                                                                                                                                                                                                                                                                | PWM OUTPUT<br>for LED Stripes | ≤60V=<br>≤5A/channel |
| <b>Functionality</b><br>IO module with 3 PWM outputs for dimming LED stripes with constant voltage and common anode.<br>Module is designed for RGB, dual white or mono colour LED stripes.<br>Each channel can drive 5A maximum current.<br>External power supply for LED stripes (e.g. 12V= or 24V=) ≤60V= and ≤15A necessary. |                               |                      |

# RESI-2LEDWS-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module is a two channel module to control up to 512 WS28xx LEDs on each channel.



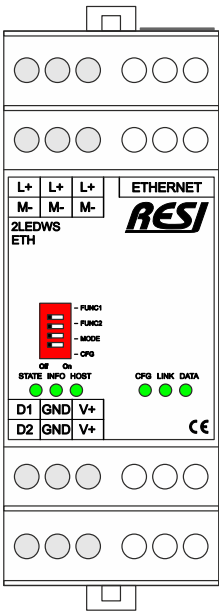
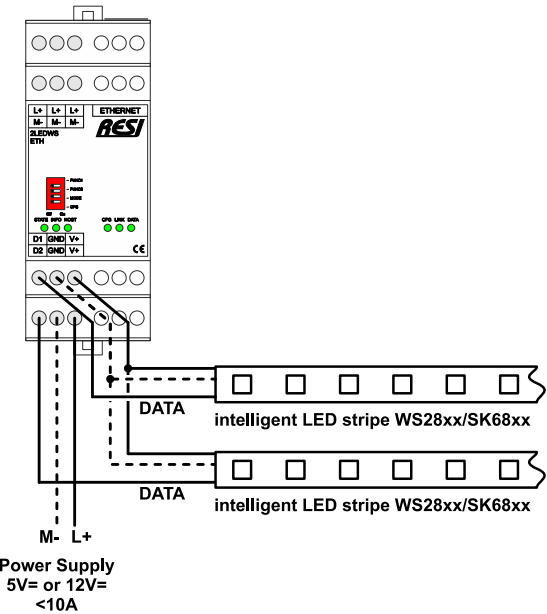
|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                            |                                           |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------|
| 2 Channels<br>512 LEDs/channel                                                                                                                                                                                                                                                             | PROTOCOL OUTPUT<br>for WS28xx LED Stripes | +5V or +12V<br>LED supply |
| <b>Functionality</b><br>IO module with 2 channels to control intelligent WS28xx LED stripes.<br>Each LED stripe can have up to 512 LEDs, which are individually controllable.<br>We support RGB and RGBW LED stripes.<br>External power supply for LED stripes with +5V or +12V necessary. |                                           |                           |



# RESI-2LEDWS-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module is a two channel module to control up to 512 WS28xx LEDs on each channel.

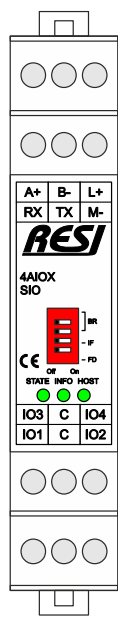


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                            |                                           |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------|
| 2 Channels<br>512 LEDs/channel                                                                                                                                                                                                                                                             | PROTOCOL OUTPUT<br>for WS28xx LED Stripes | +5V or +12V<br>LED supply |
| <b>Functionality</b><br>IO module with 2 channels to control intelligent WS28xx LED stripes.<br>Each LED stripe can have up to 512 LEDs, which are individually controllable.<br>We support RGB and RGBW LED stripes.<br>External power supply for LED stripes with +5V or +12V necessary. |                                           |                           |

# RESI-S4AIOX-SIO

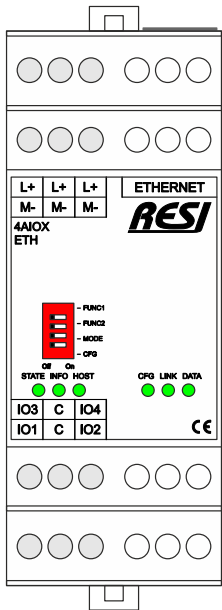
Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                           |                                                                                                                                                     |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| CEM17<br>17.5x90x56.4mm                                                                                                                                                                                                                                 | DIN EN 50022<br>Snap-on<br>for DIN-Rail                                                                                                                                                                                                                   | RS232<br>RS485                                                                                                                                      | 12-48V=<br>Power supply |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br><br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br><br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br><br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br><br>≤40V ≤1.8mA<br>0.5...24.5mA |                         |
| Functionality<br>IO module with 4 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA<br>AO: 0/2-10V, 0/4-20mA<br>RTD: 0-1MΩ<br>DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                           |                                                                                                                                                     |                         |

# RESI-S4AIOX-ETH

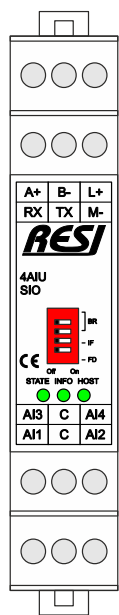
Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



| CEM35<br>35.8x90x56.4mm                                                                                                                                                                                                                                 | DIN EN 50022<br>Snap-on<br>for DIN-Rail                                                                                                                                                                                                                   | RS232<br>RS485                                                                                                                                      | 12-48V=<br>Power supply |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br><br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br><br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br><br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br><br>≤40V ≤1.8mA<br>0.5...24.5mA |                         |
| Functionality<br>IO module with 4 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA<br>AO: 0/2-10V, 0/4-20mA<br>RTD: 0-1MΩ<br>DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                           |                                                                                                                                                     |                         |

# RESI-4AIU-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers four independent analog inputs for DC signals in the range of -10V....+10V.

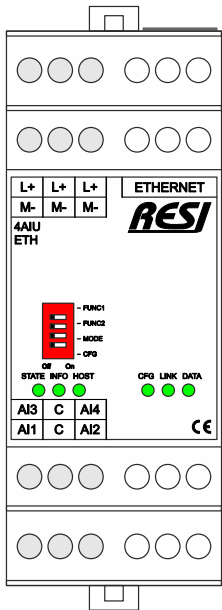


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                            |                                     |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------|
| 4<br>Analog Inputs                                                                                                                                                                         | ANALOG INPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>16bit |
| <b>Functionality</b><br>IO module with 4 analogue inputs for DC signals.<br>Input signal in the range of -10V and +10V.<br><br>Input group is galvanic-ally insulated from rest of module. |                                     |                                              |

# RESI-4AIU-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers four independent analog inputs for DC signals in the range of -10V....+10V.

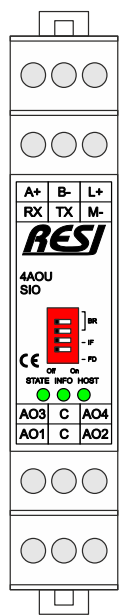


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                            |                                     |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------|
| 4<br>Analog Inputs                                                                                                                                                                         | ANALOG INPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>16bit |
| <b>Functionality</b><br>IO module with 4 analogue inputs for DC signals.<br>Input signal in the range of -10V and +10V.<br><br>Input group is galvanic-ally insulated from rest of module. |                                     |                                              |

# RESI-4AOU-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers four independent analog outputs for DC signals in the range of -10V....+10V.

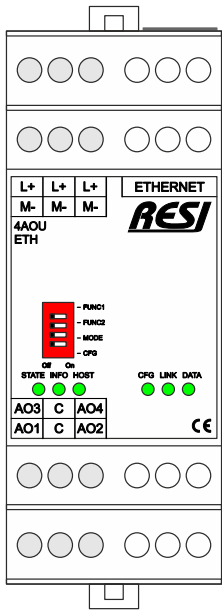


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                               |                                      |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|
| 4<br>Analog Outputs                                                                                                                                                                           | ANALOG OUTPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>12bit |
| <b>Functionality</b><br>IO module with 4 analogue outputs for DC signals.<br>Output signal in the range of -10V and +10V.<br><br>Output group is galvanic-ally insulated from rest of module. |                                      |                                              |

# RESI-4AOU-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers four independent analog outputs for DC signals in the range of -10V....+10V.

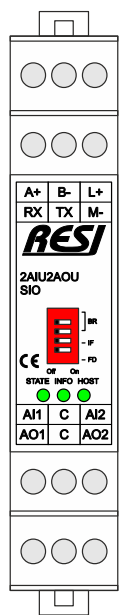


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                               |                                      |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|
| 4<br>Analog Outputs                                                                                                                                                                           | ANALOG OUTPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>12bit |
| <b>Functionality</b><br>IO module with 4 analogue outputs for DC signals.<br>Output signal in the range of -10V and +10V.<br><br>Output group is galvanic-ally insulated from rest of module. |                                      |                                              |

# RESI-2AIU2AOU-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface. The IO module offers two analog inputs and two analog outputs for DC signals in the range of 0V....+10V.



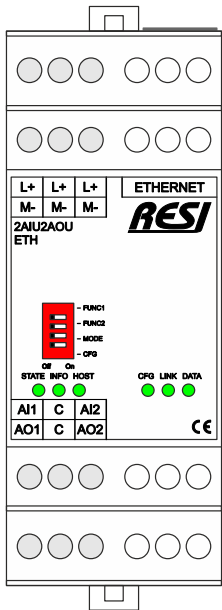
|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                 |                                                                                 |                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 2<br>Analog Inputs<br><br>and<br><br>2<br>Analog Outputs                                                                                                                                                        | ANALOG INPUTS<br>galvanic insulated<br><br>ANALOG OUTPUTS<br>galvanic insulated | 0...10V<br><br>±0.5%<br>12bit<br><br>0...10V<br><br>±0.5%<br>12bit |
| Functionality<br>IO module with 2 analogue inputs and outputs for DC signals.<br>Input/Output signal in the range of 0V and +10V.<br><br>Input and output group is galvanic-ally insulated from rest of module. |                                                                                 |                                                                    |



# RESI-2AIU2AOU-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers two analog inputs and two analog outputs for DC signals in the range of 0V....+10V.

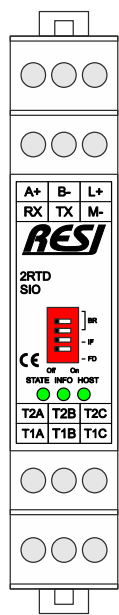


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                        |                                                                                               |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 2<br>Analog Inputs<br><br>and<br><br>2<br>Analog Outputs                                                                                                                                                               | <b>ANALOG INPUTS</b><br>galvanic insulated<br><br><b>ANALOG OUTPUTS</b><br>galvanic insulated | 0...10V<br><br>±0.5%<br>12bit<br><br>0...10V<br><br>±0.5%<br>12bit |
| <b>Functionality</b><br>IO module with 2 analogue inputs and outputs for DC signals.<br>Input/Output signal in the range of 0V and +10V.<br><br>Input and output group is galvanic-ally insulated from rest of module. |                                                                                               |                                                                    |

# RESI-2RTD-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers two RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...

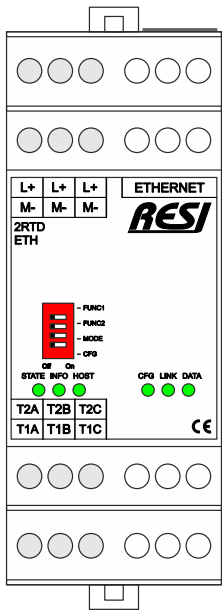


|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | RS232<br>RS485          |
| CEM17<br>17.5x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                                                 |                                                                                              |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 2<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                                                       | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| <b>Functionality</b><br>IO module with 2 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire, 3-wire or 4-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |

# RESI-2RTD-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers two RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...



|                                         |                         |
|-----------------------------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ETHERNET                |
| CEM35<br>35.8x90x56.4mm                 | 12-48V=<br>Power supply |

|                                                                                                                                                                                                                                                                                                                                 |                                                                                              |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 2<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                                                       | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| <b>Functionality</b><br>IO module with 2 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire, 3-wire or 4-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |

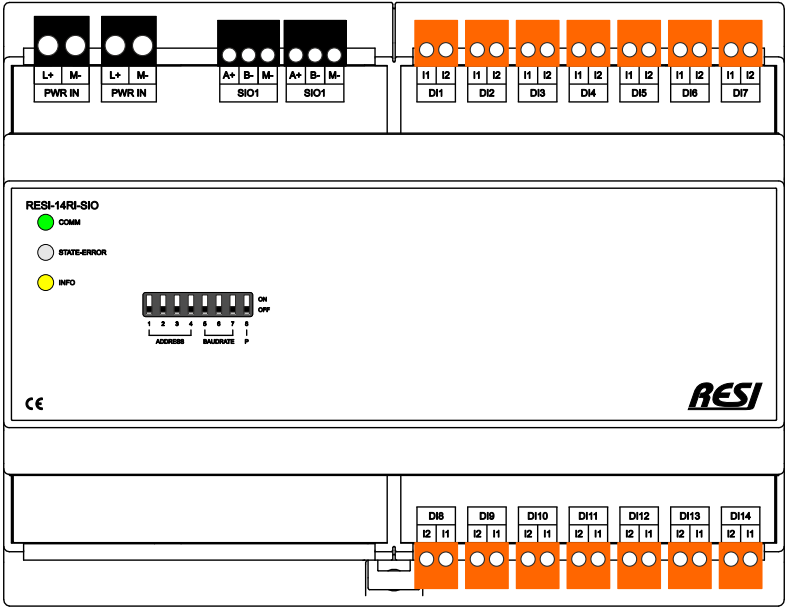
# BIGIOs

it's all about perfection



# RESI-14RI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 14 independent digital inputs for AC or DC signals 12-250V~ =

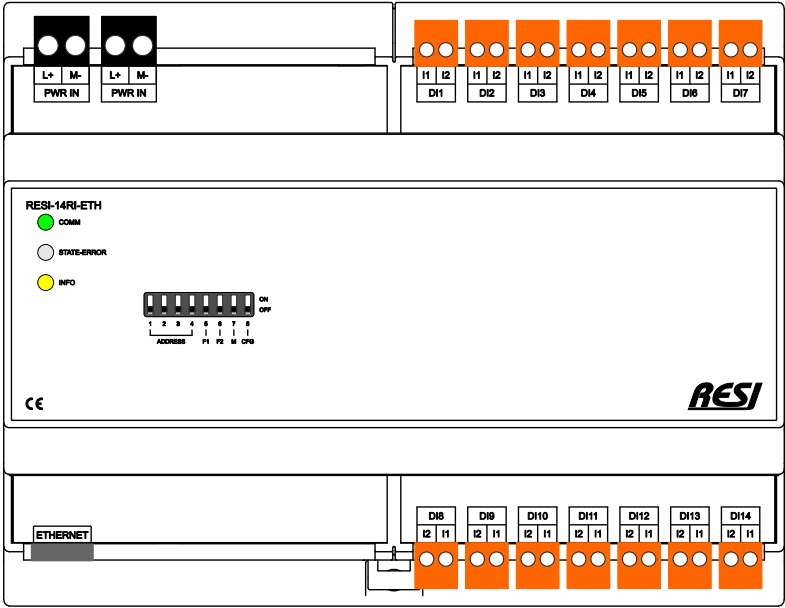


|                                         |                             |       |                     |                         |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                      |                                                                |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------|
| 14<br>Digital Inputs                                                                                                                                                                                                                                 | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 14 digital inputs for 12-250Vac/dc signals.<br>Every input with own common contact to use different AC or DC supplies for every input.<br>All inputs are galvanic-ally insulated from the rest of the module. |                                                                |                       |

# RESI-14RI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 14 independent digital inputs for AC or DC signals 12-250V~ =

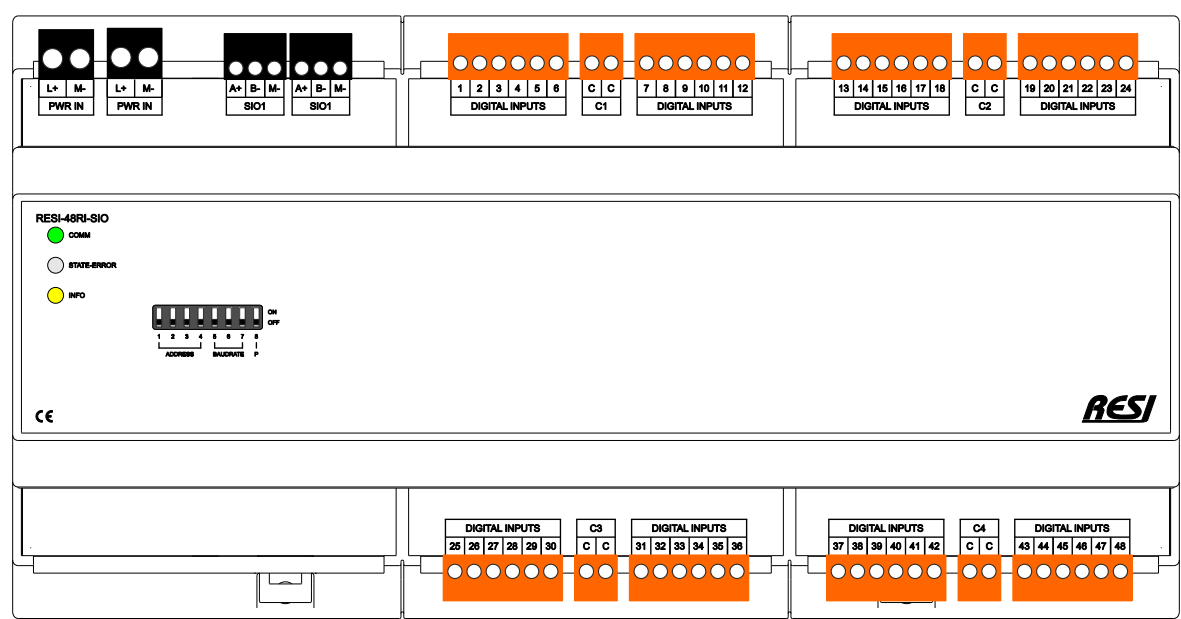


|                                         |                             |          |                     |                         |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                      |                                                                |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------|
| 14<br>Digital Inputs                                                                                                                                                                                                                                 | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA |
| <b>Functionality</b><br>IO module with 14 digital inputs for 12-250Vac/dc signals.<br>Every input with own common contact to use different AC or DC supplies for every input.<br>All inputs are galvanic-ally insulated from the rest of the module. |                                                                |                       |

# RESI-48RI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 48 independent digital inputs for AC or DC signals 12-250V~ =



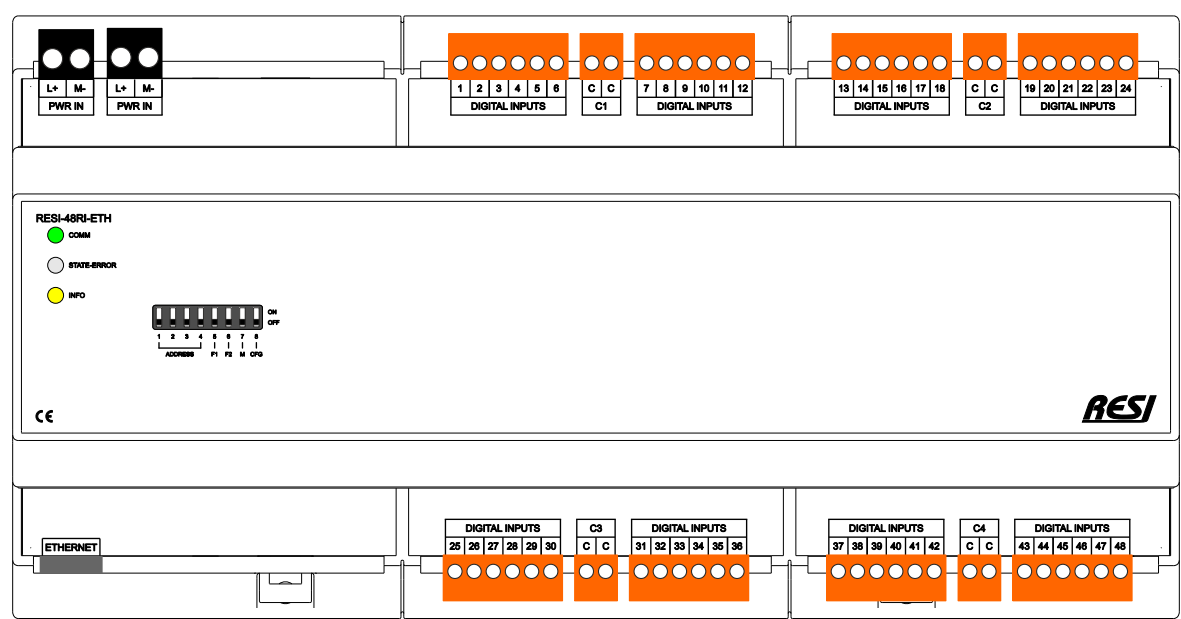
|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                      |                                                                |                       |
|----------------------|----------------------------------------------------------------|-----------------------|
| 48<br>Digital Inputs | LOGIC INPUT<br>galvanic insulated<br>common contacts per group | 12...250V~=<br>≤1.8mA |
|----------------------|----------------------------------------------------------------|-----------------------|

**Functionality**  
IO module with 48 digital inputs for 12-250Vac/dc signals.  
Inputs are organized in 4 groups with 12 inputs each.  
Own common contacts for every group to use different AC or DC supplies for each group.  
All inputs are galvanic-ally insulated from the rest of the module.

# RESI-48RI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 48 independent digital inputs for AC or DC signals 12-250V~ =



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT12  
213x110x62mm

12-48V=  
Power supply

48  
Digital Inputs

LOGIC INPUT  
galvanic insulated  
common contacts per group

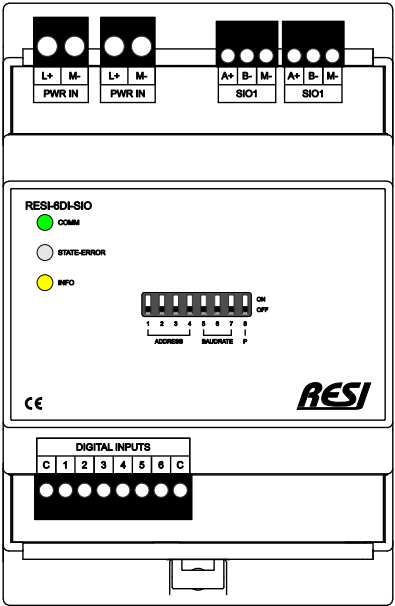
12...250V~=  
≤1.8mA

Functionality  
IO module with 48 digital inputs for 12-250Vac/dc signals.  
Inputs are organized in 4 groups with 12 inputs each.  
Own common contacts for every group to use different AC or DC supplies for each group.  
All inputs are galvanic-ally insulated from the rest of the module.



# RESI-6DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital inputs for DC signals 12-48V=

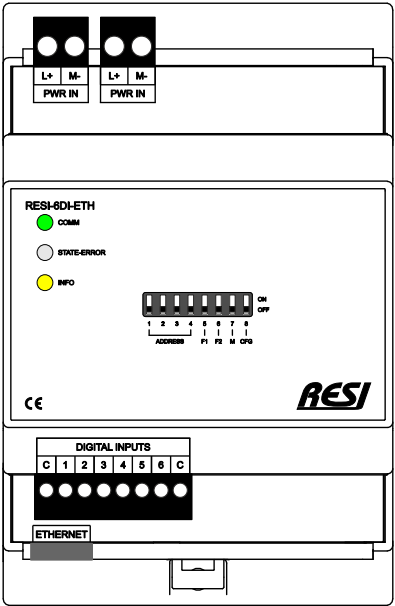


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                        |             |                     |
|------------------------------------------------------------------------|-------------|---------------------|
| 6<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-6DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital inputs for DC signals 12-48V=

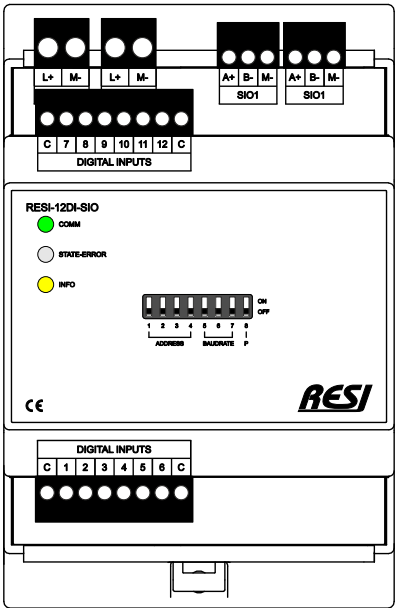


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                        |             |                     |
|------------------------------------------------------------------------|-------------|---------------------|
| 6<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-12DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 digital inputs for DC signals 12-48V=

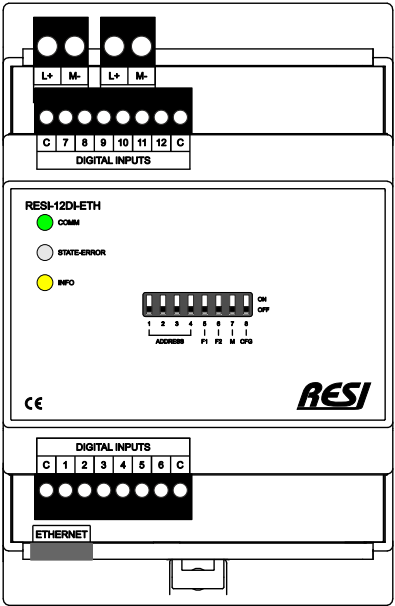


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 12<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 12 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-12DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 digital inputs for DC signals 12-48V=

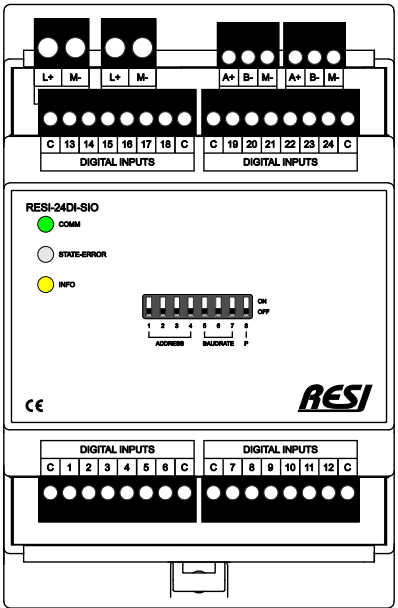


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 12<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 12 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-24DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 24 digital inputs for DC signals 12-48V=

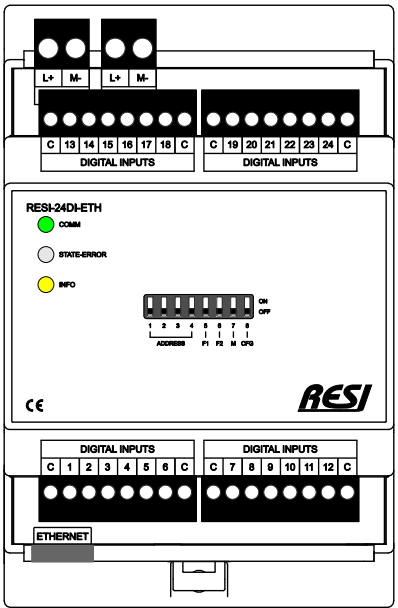


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 24<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 24 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-24DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 24 digital inputs for DC signals 12-48V=

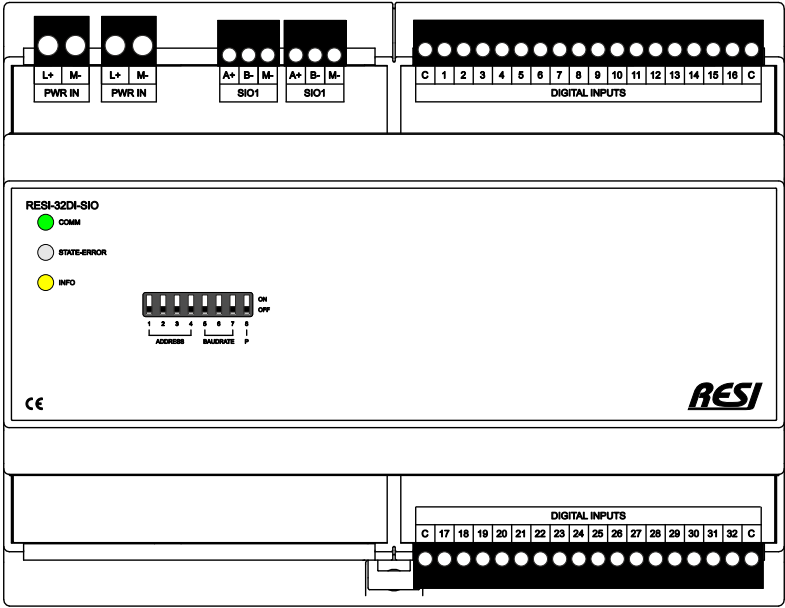


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 24<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 24 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-32DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V=

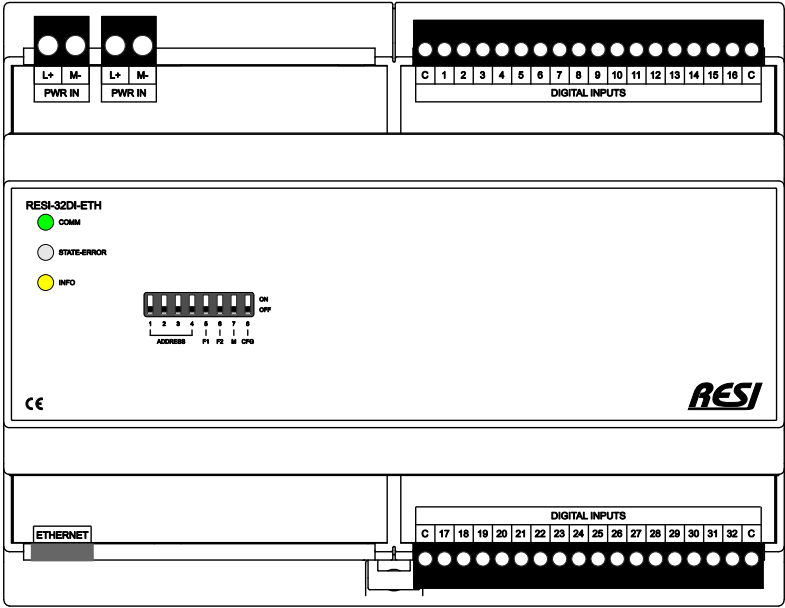


|                                         |                             |       |                     |                         |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 32<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-32DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT8  
143x110x62mm

12-48V=  
Power supply

32  
Digital Inputs

LOGIC INPUT

12...48V=  
≤1.8mA

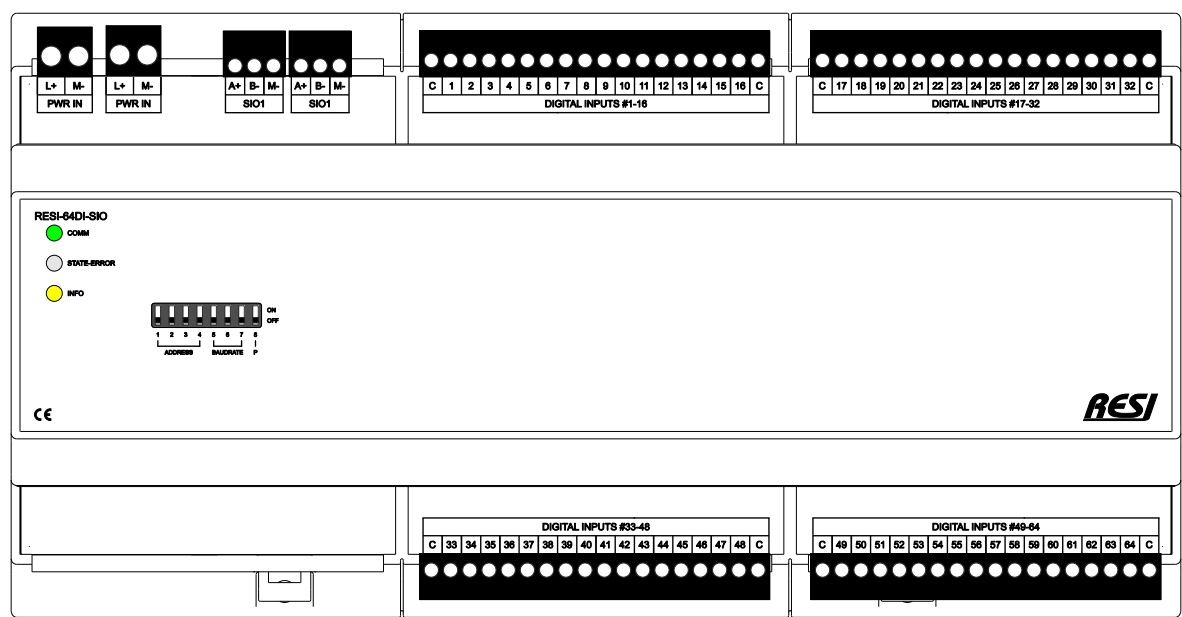
Functionality

IO module with 32 digital inputs for 12-48Vdc signals.



# RESI-64DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 64 digital inputs for DC signals 12-48V=

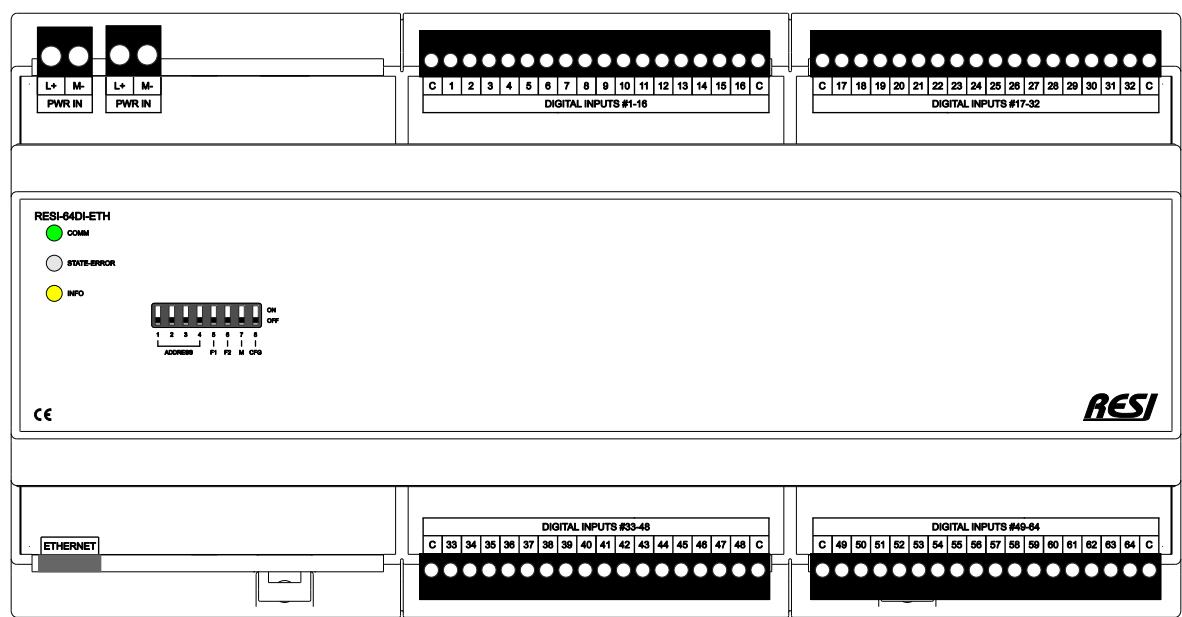


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                         |             |                     |
|-------------------------------------------------------------------------|-------------|---------------------|
| 64<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-64DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 64 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT12  
213x110x62mm

12-48V=  
Power supply

64  
Digital Inputs

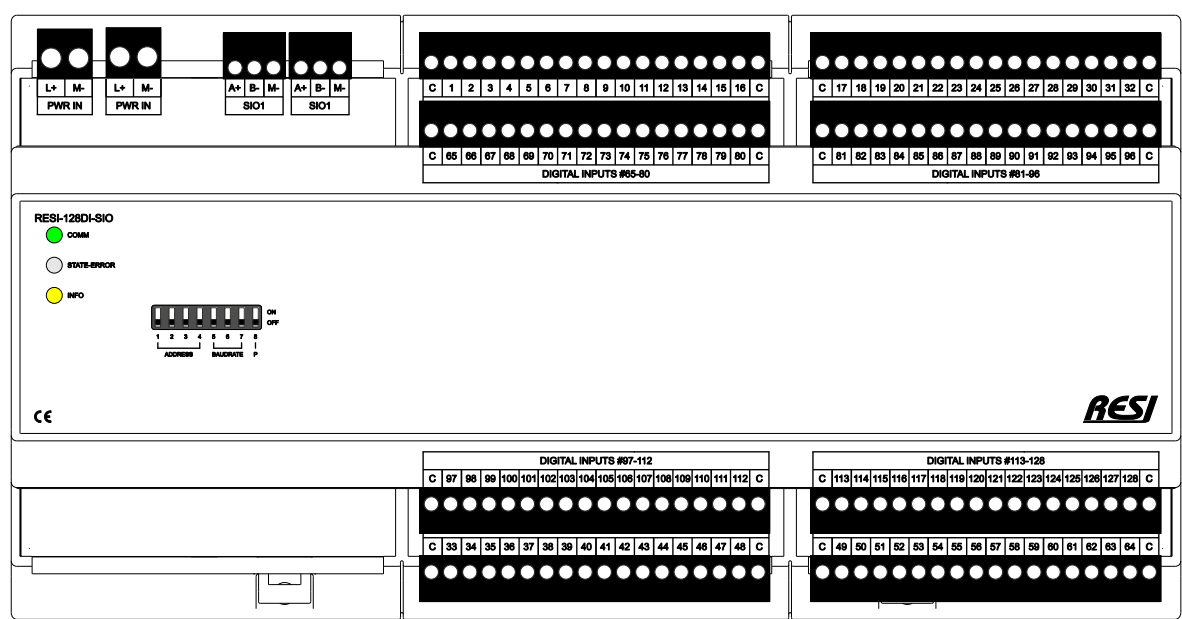
LOGIC INPUT

12...48V=  
≤1.8mA

Functionality  
IO module with 64 digital inputs for 12-48Vdc signals.

# RESI-128DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 128 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

RS485

XT12  
213x110x62mm

12-48V=  
Power supply

128  
Digital Inputs

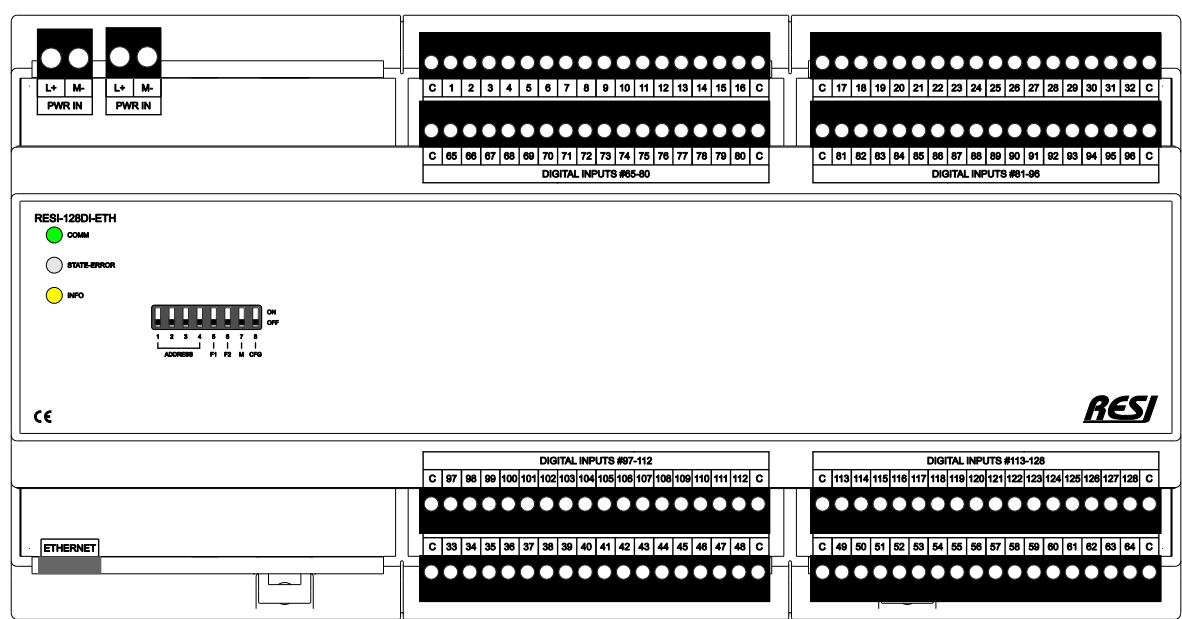
LOGIC INPUT

12...48V=  
≤1.8mA

Functionality  
IO module with 128 digital inputs for 12-48Vdc signals.

# RESI-128DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 128 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT12  
213x110x62mm

12-48V=  
Power supply

128  
Digital Inputs

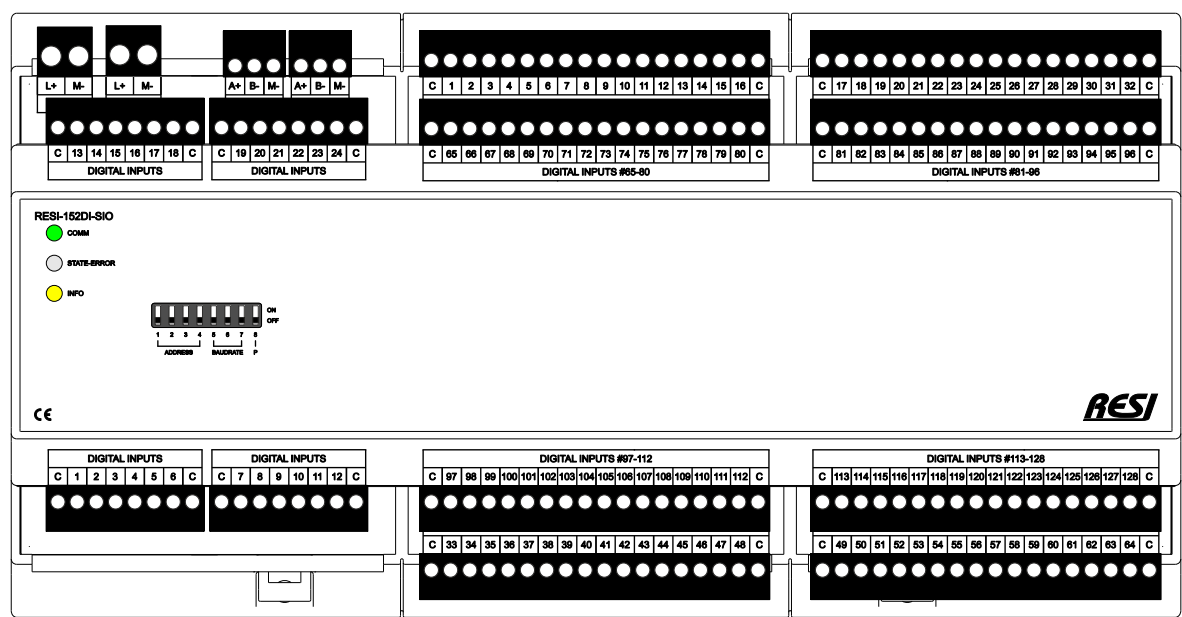
LOGIC INPUT

12...48V=  
≤1.8mA

Functionality  
IO module with 128 digital inputs for 12-48Vdc signals.

# RESI-152DI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 152 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

RS485

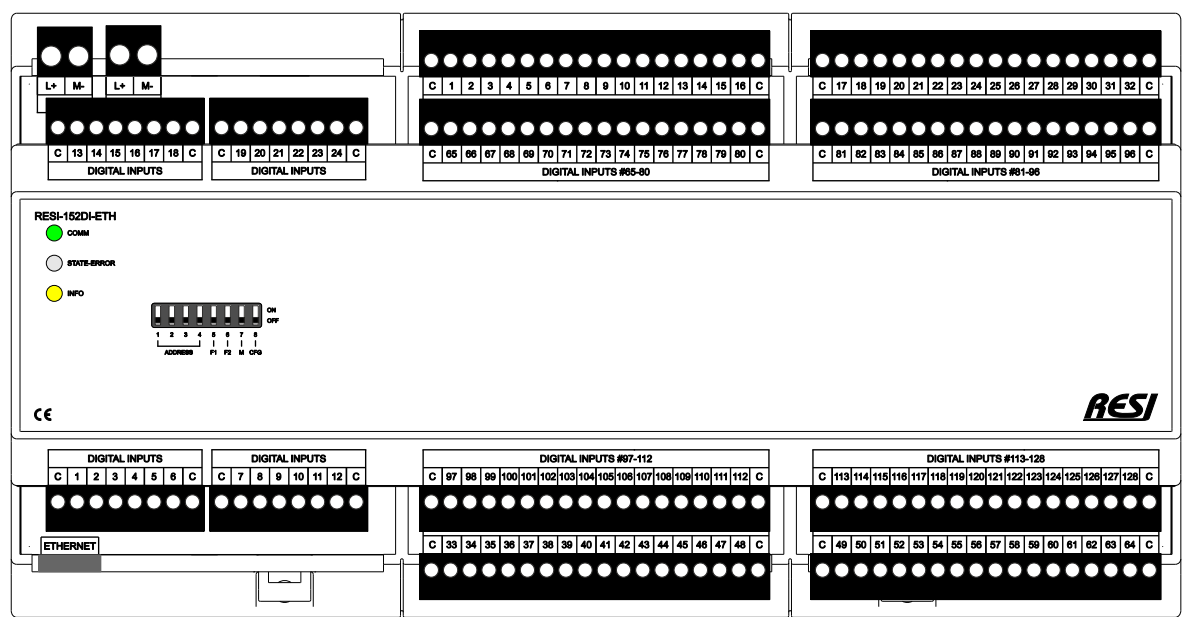
XT12  
213x110x62mm

12-48V=  
Power supply

|                                                                          |             |                     |
|--------------------------------------------------------------------------|-------------|---------------------|
| 152<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 152 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-152DI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 152 digital inputs for DC signals 12-48V=



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

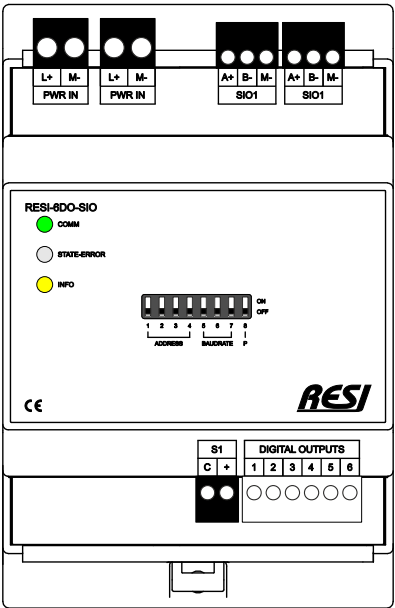
XT12  
213x110x62mm

12-48V=  
Power supply

|                                                                          |             |                     |
|--------------------------------------------------------------------------|-------------|---------------------|
| 152<br>Digital Inputs                                                    | LOGIC INPUT | 12...48V=<br>≤1.8mA |
| Functionality<br>IO module with 152 digital inputs for 12-48Vdc signals. |             |                     |

# RESI-6DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital outputs for DC signals  $\leq 30V=$ .

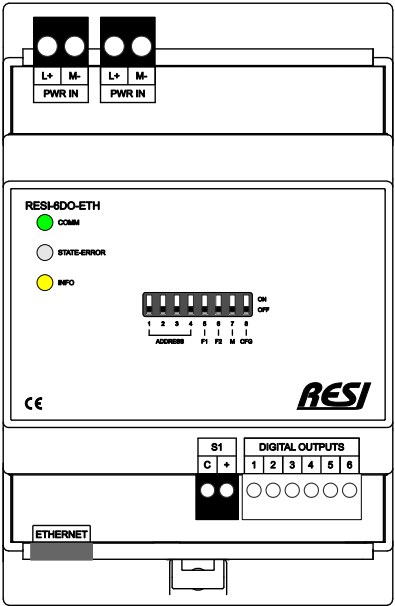


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                              |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 16Digital Outputs                                                                                                                                                                                                                                                                                 | <b>DIGITAL OUTPUT</b><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| <b>Functionality</b><br>IO module with 6 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                              |                             |

# RESI-6DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital outputs for DC signals  $\leq 30V=$ .



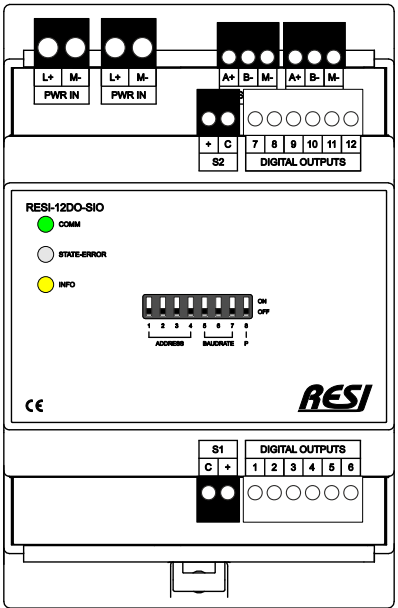
|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                              |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                              | <b>DIGITAL OUTPUT</b><br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| <b>Functionality</b><br>IO module with 6 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                              |                             |



# RESI-12DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 digital outputs for DC signals  $\leq 30V=$ .

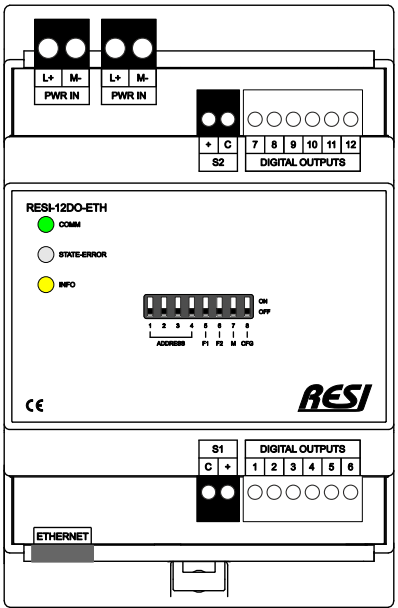


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                        |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                       | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 12 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                             |

# RESI-12DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 digital outputs for DC signals  $\leq 30V=$ .

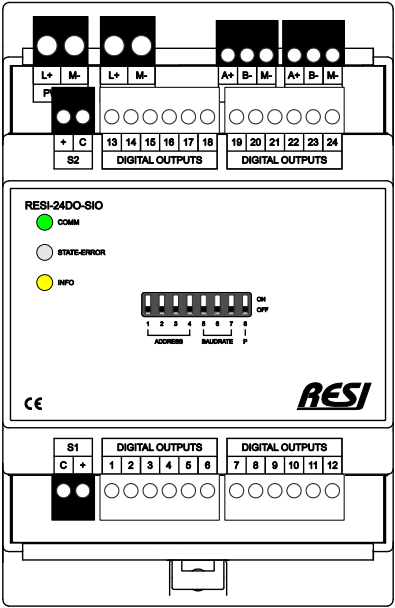


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                        |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                       | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 12 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                             |

# RESI-24DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 24 digital outputs for DC signals  $\leq 30V=$ .

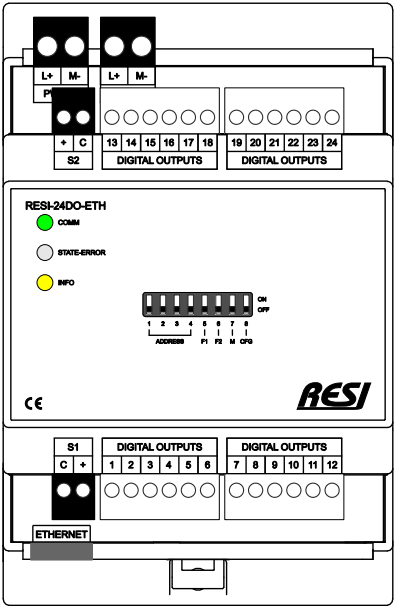


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 24<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 12 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 24 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 12 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-24DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 24 digital outputs for DC signals  $\leq 30V=$ .

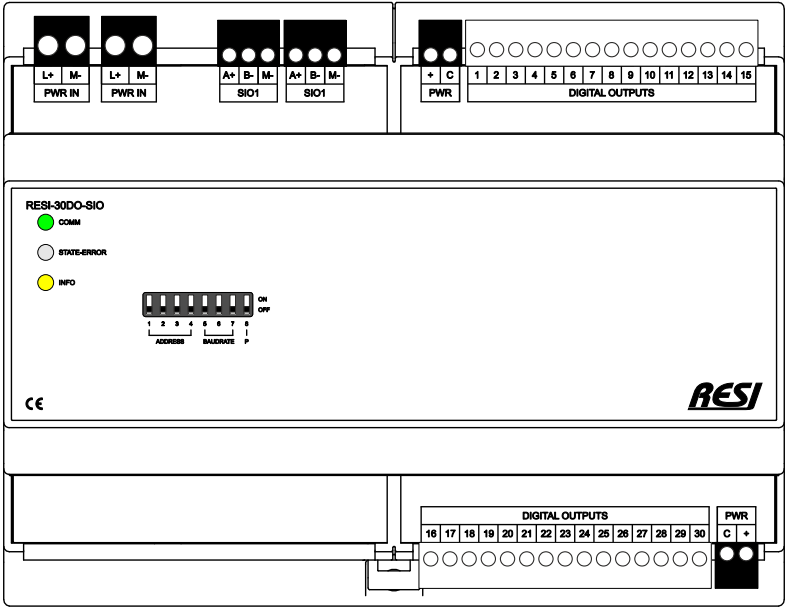


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 24<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 12 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 24 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 12 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-30DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 30 digital outputs for DC signals  $\leq 30V=$ .

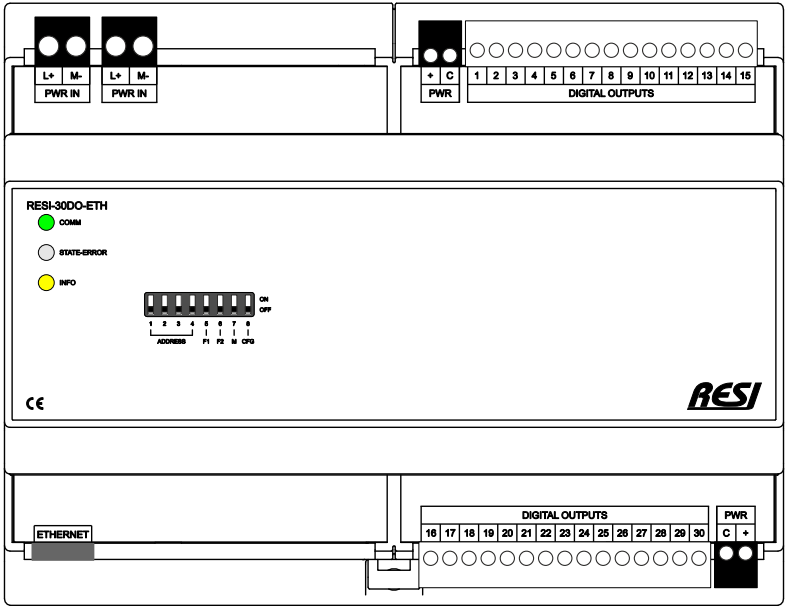


|                                         |                             |       |                     |                         |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                               | <b>DIGITAL OUTPUT</b><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| <b>Functionality</b><br>IO module with 30 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                                |                             |

# RESI-30DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 30 digital outputs for DC signals  $\leq 30V=$ .

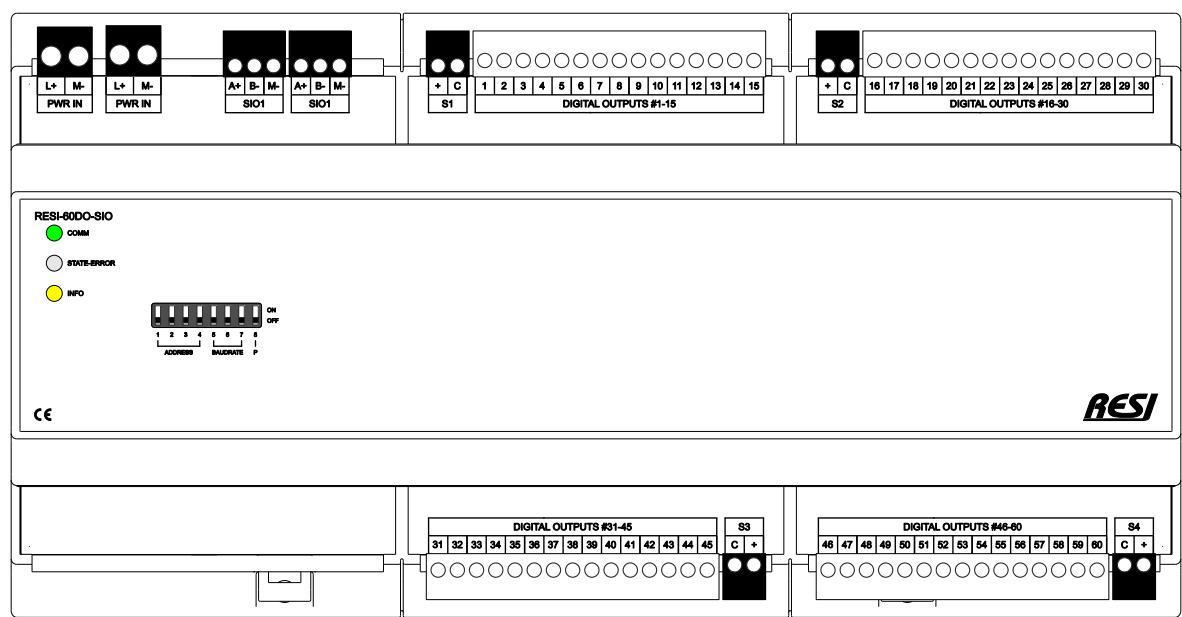


|                                         |                             |          |                     |                         |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 30 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-60DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 60 digital outputs for DC signals  $\leq 30V=$ .

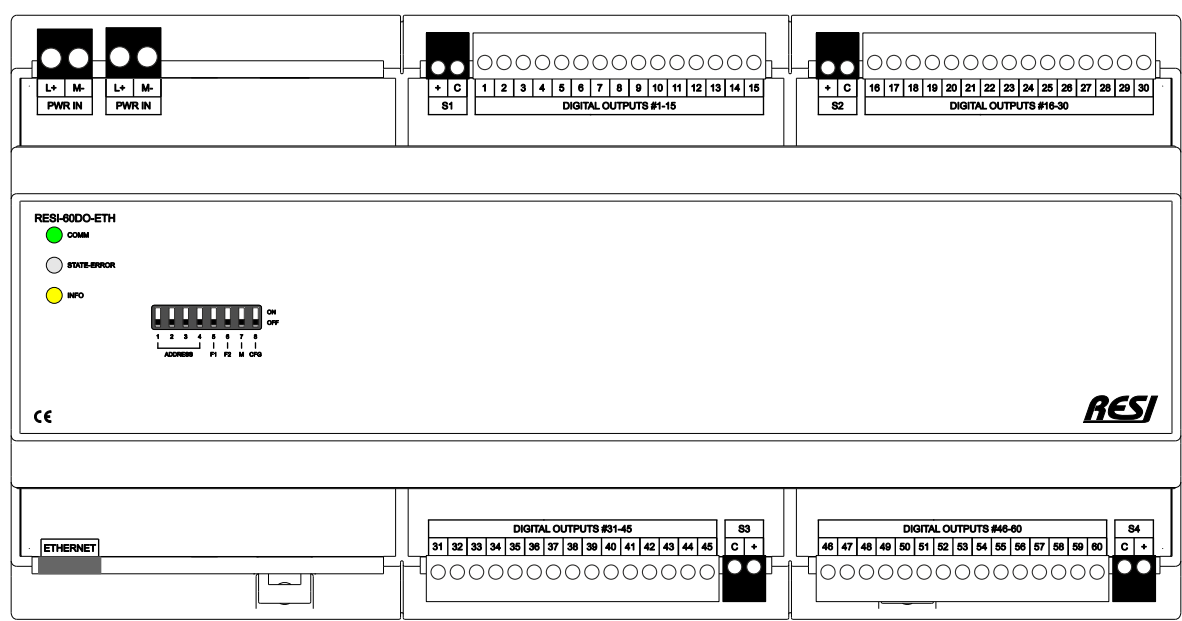


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 60 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-60DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 60 digital outputs for DC signals  $\leq 30V=$ .



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT12  
213x110x62mm

12-48V=  
Power supply

60  
Digital Outputs

DIGITAL OUTPUT  
Output is shortcut & over heat protected.  
Organized in 4 groups with 15 outputs each.  
  
Each output group is externally supplied.  
Max. 1.8A power supply for output group.

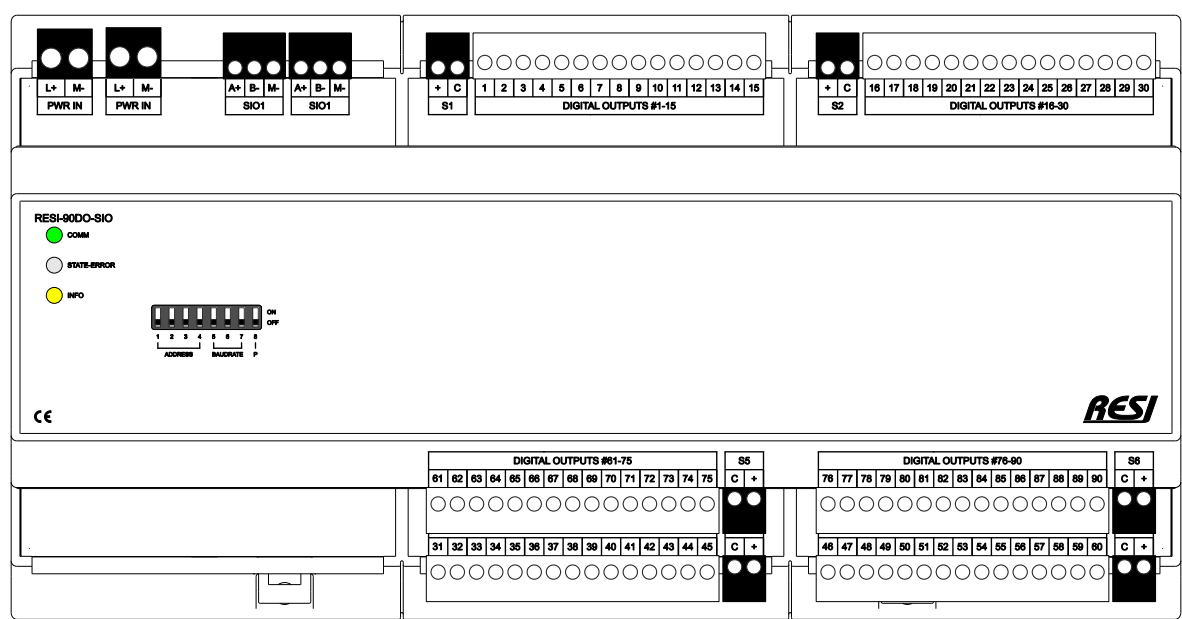
$\leq 30V=$   
 $\leq 700mA$

Functionality  
IO module with 60 digital outputs for  $\leq 30Vdc$  signals.  
Each group of 15 outputs has its own power supply connector.  
Each output group detects power supply, overheat or short cut error.  
All outputs are galvanic-ally insulated from the rest of the module.



# RESI-90DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 90 digital outputs for DC signals  $\leq 30V=$ .

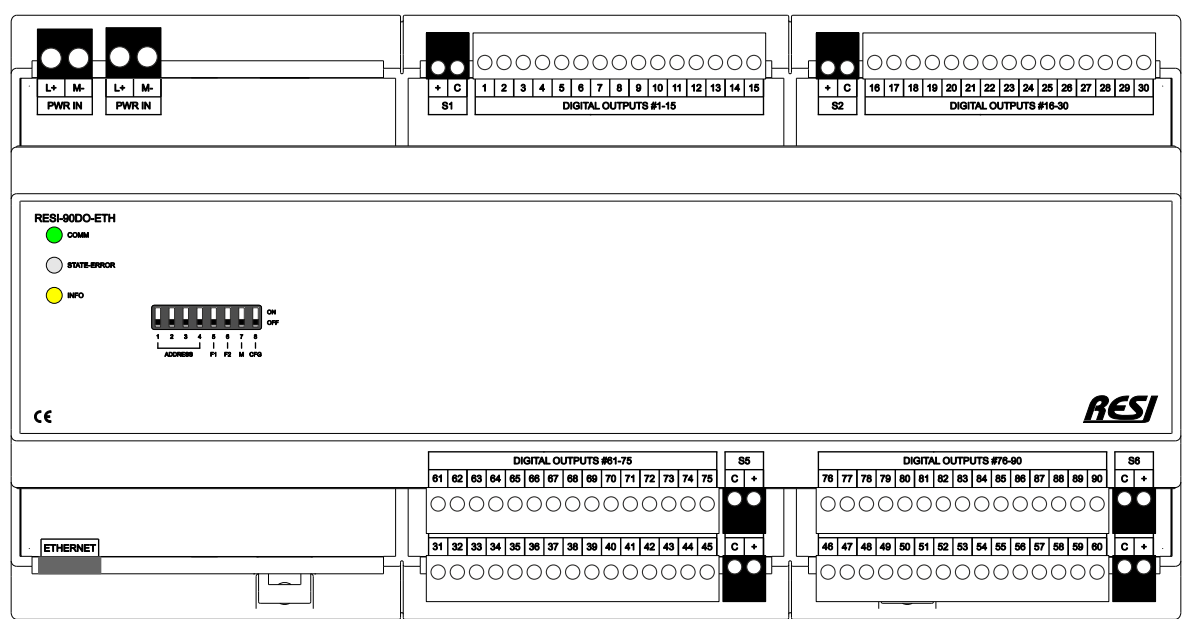


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 90<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 6 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 90 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-90DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 90 digital outputs for DC signals  $\leq 30V=$ .

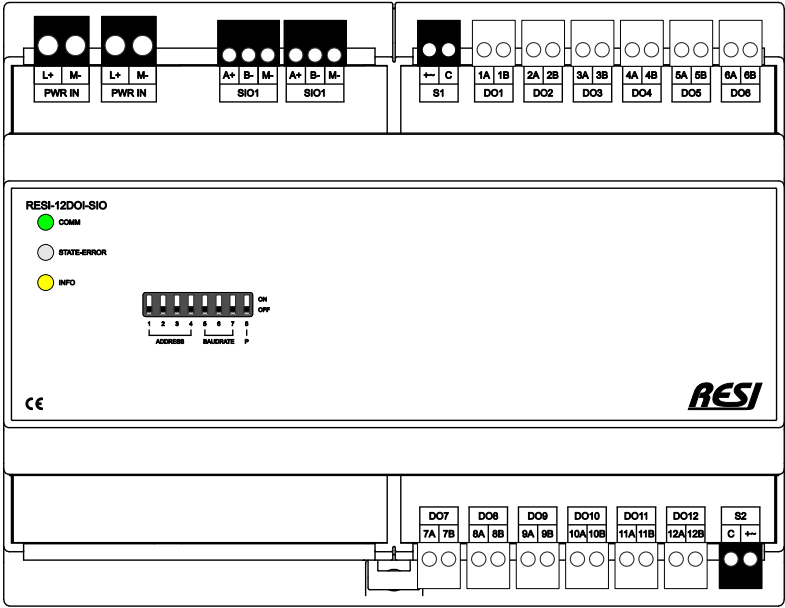


|                                         |                             |          |                      |                         |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 90<br>Digital Outputs                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 6 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 90 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overhear or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                             |

# RESI-12DOI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 digital outputs for AC/DC signals  $\leq 30V\sim$  with integrated current measurement.

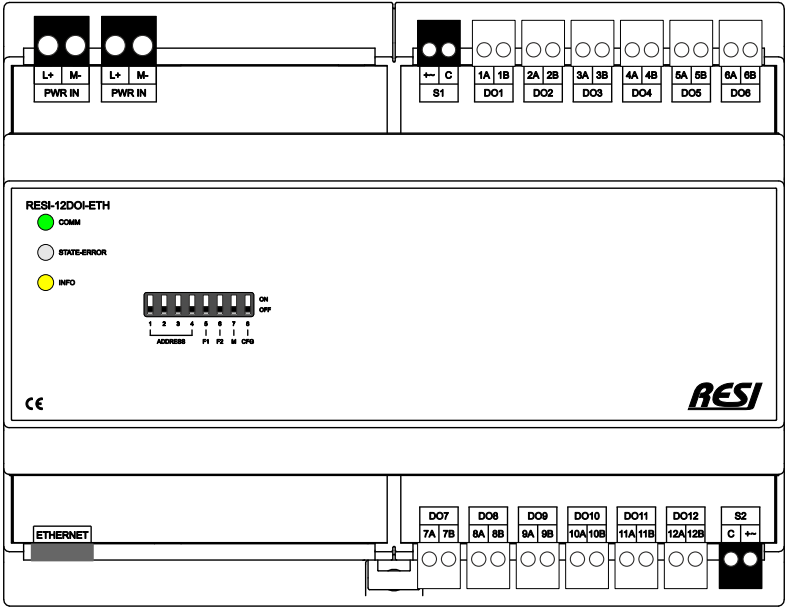


|                                         |                             |       |                     |                         |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                               |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                            | <b>DIGITAL OUTPUT</b><br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V\sim$<br>$\leq 700mA$ |
| <b>Functionality</b><br>IO module with 12 digital outputs for $\leq 30Vac/dc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module.<br>Additional current measurement for every output channel |                                                                                                                                                                                                               |                                |

# RESI-12DOI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 digital outputs for AC/DC signals  $\leq 30V\sim =$  with integrated current measurement.

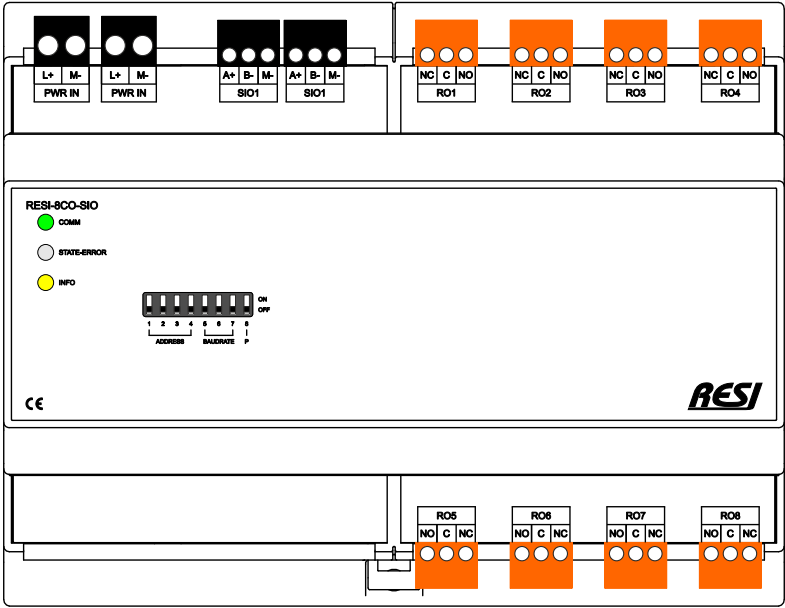


|                                         |                             |          |                     |                         |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                     | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V\sim =$<br>$\leq 700mA$ |
| Functionality<br>IO module with 12 digital outputs for $\leq 30Vac/dc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module.<br>Additional current measurement for every output channel |                                                                                                                                                                                                        |                                  |

# RESI-8CO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 Form C relay outputs for AC/DC signals.

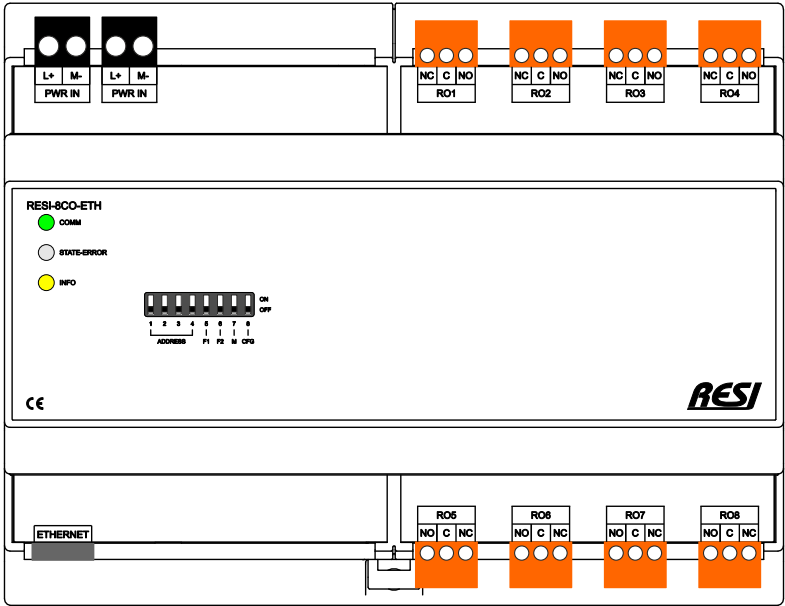


|                                         |                             |       |                     |                         |         |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormC |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------|--|

|                                                                                 |                        |                                              |
|---------------------------------------------------------------------------------|------------------------|----------------------------------------------|
| 8<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>Form C | ≤30V=<br>≤250V~<br>≤8A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 relay outputs for switching AC or DC signals. |                        |                                              |

# RESI-8CO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 8 Form C relay outputs for AC/DC signals.



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT8  
143x110x62mm

12-48V=  
Power supply

8xFormC

8  
Relay  
Outputs

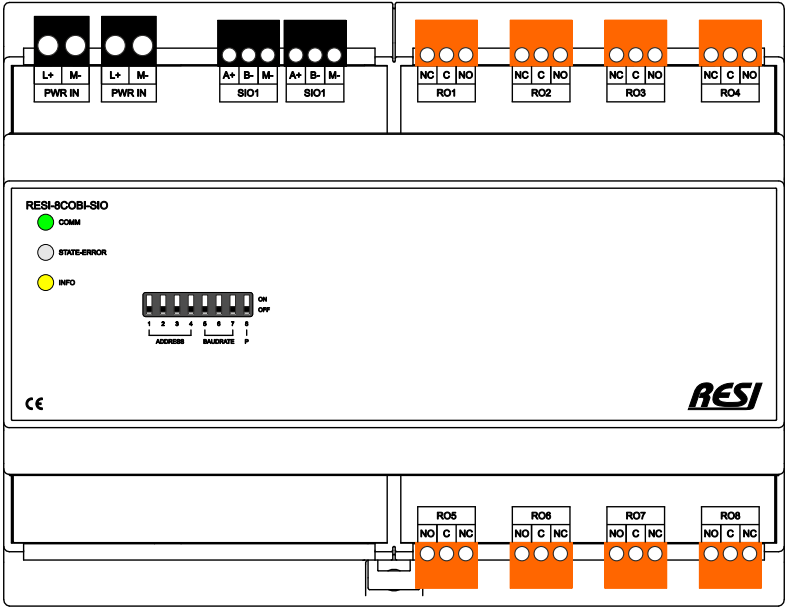
RELAY OUTPUT  
Form C

≤30V=  
≤250V~  
≤8A  
AgSnO<sub>2</sub>

Functionality  
IO module with 8 relay outputs for switching AC or DC signals.

# RESI-8COBI-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 bistable Form C relay outputs for AC/DC signals.



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

RS485

XT8  
143x110x62mm

12-48V=  
Power supply

8x  
bistable FormC

8  
Bistable  
Relay  
Outputs

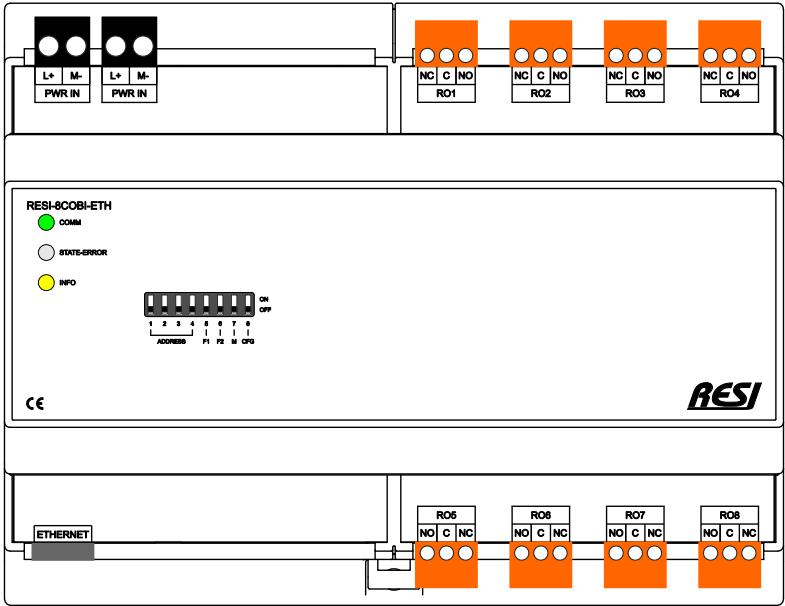
RELAY OUTPUT  
bistable Form C relays

≤30V=  
≤250V~  
≤8A  
AgSnO<sub>2</sub>

Functionality  
IO module with 8 bistable relay outputs for switching AC or DC signals.

# RESI-8COBI-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 bistable Form C relay outputs for AC/DC signals.



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT8  
143x110x62mm

12-48V=  
Power supply

8x  
bistable FormC

8  
Bistable  
Relay  
Outputs

RELAY OUTPUT  
bistable Form C relays

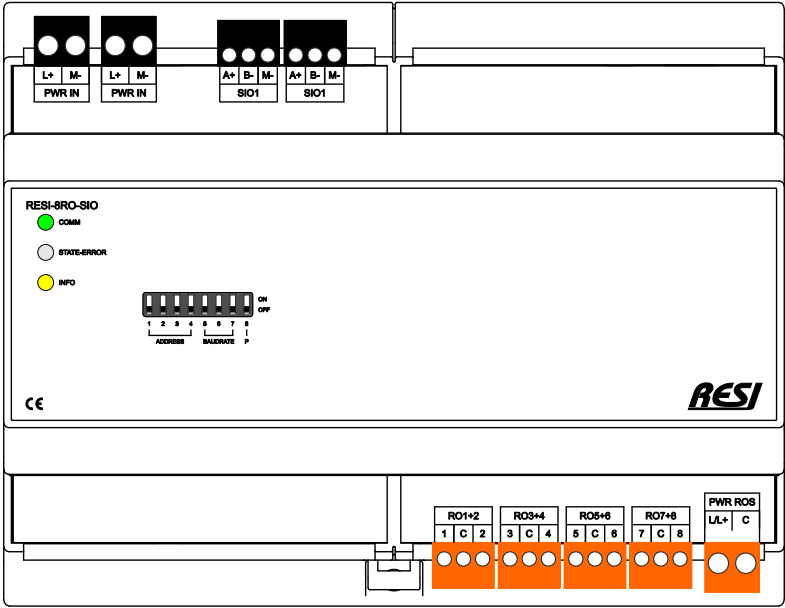
≤30V=  
≤250V~  
≤8A  
AgSnO<sub>2</sub>

Functionality  
IO module with 8 bistable relay outputs for switching AC or DC signals.



# RESI-8RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

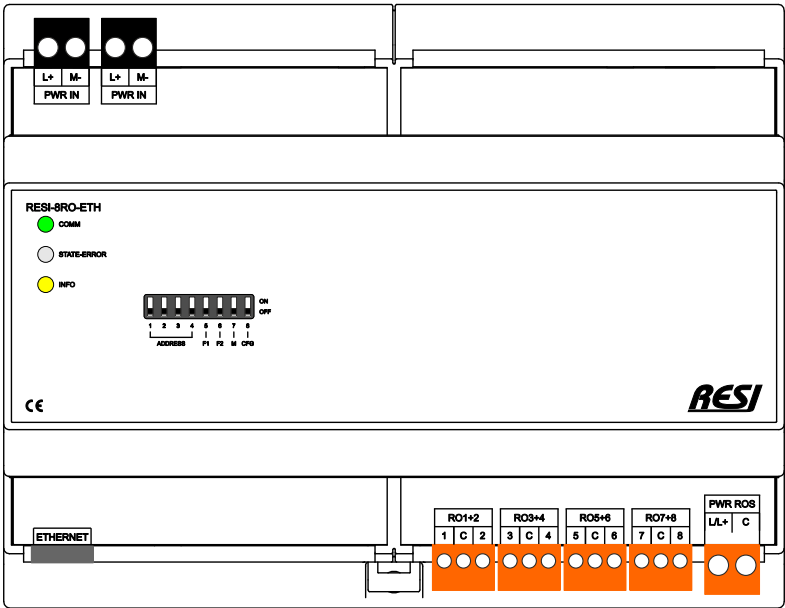


|                                         |                             |       |                     |                         |                         |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------|--|

|                                                                                                                                             |                                                          |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 8<br>Relay<br>Outputs                                                                                                                       | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 relay outputs for switching AC or DC signals.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-8RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

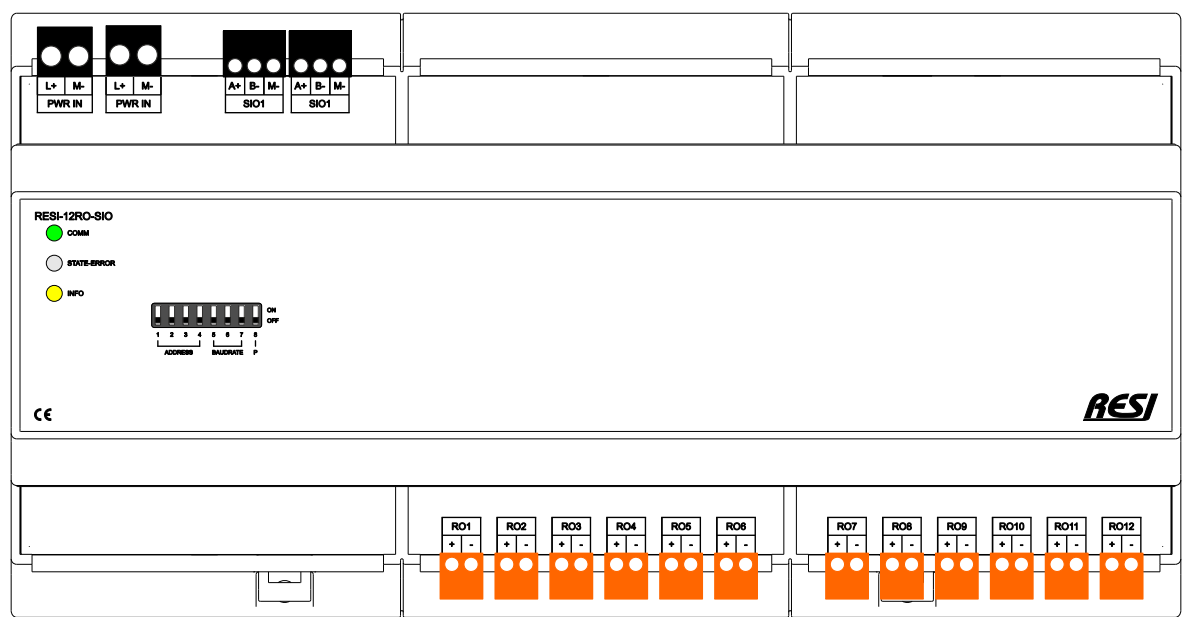


|                                         |                             |          |                     |                         |                         |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------|--|

|                                                                                                                                             |                                                          |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 8<br>Relay<br>Outputs                                                                                                                       | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 relay outputs for switching AC or DC signals.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-12RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 Form A relay outputs for AC/DC signals.

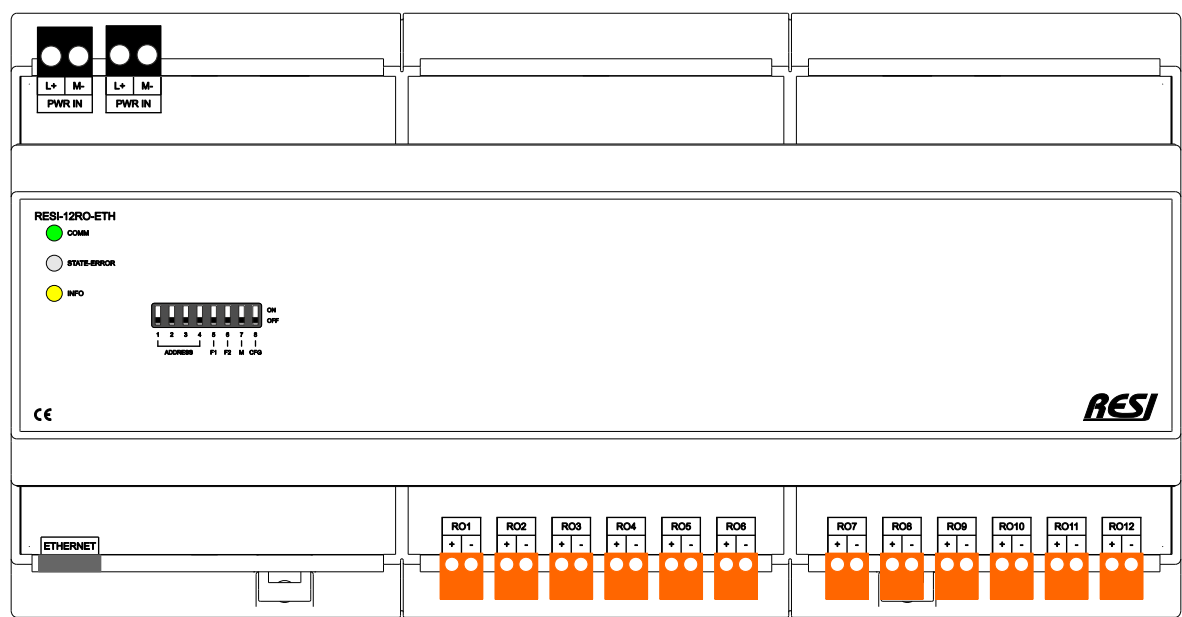


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                  |                               |                                              |
|----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 12<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 12 relay outputs for switching AC or DC signals. |                               |                                              |

# RESI-12RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 Form A relay outputs for AC/DC signals.

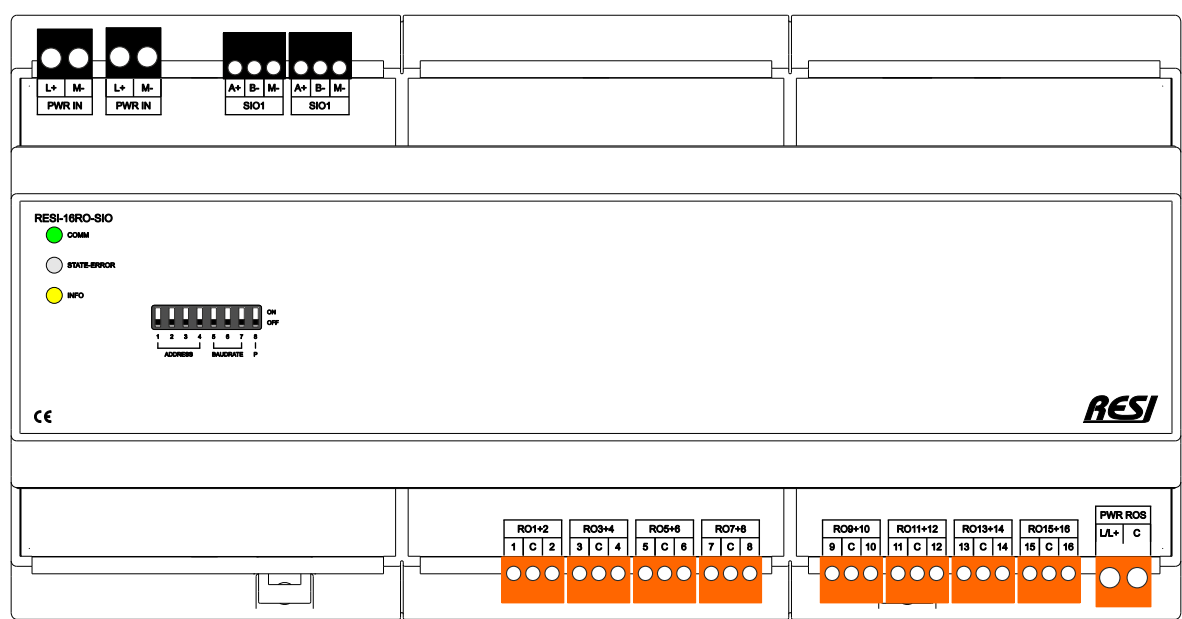


|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                  |                               |                                              |
|----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 12<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 12 relay outputs for switching AC or DC signals. |                               |                                              |

# RESI-16RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts.



|                                         |                             |       |                      |                         |                          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|--------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|--------------------------|--|

|                                                                                                                                               |                                                          |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 16<br>Relay<br>Outputs                                                                                                                        | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 16 relay outputs for switching AC or DC signals.<br>All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-16RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts.



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

ETHERNET

XT12  
213x110x62mm

12-48V=  
Power supply

16xFormA  
common power

16  
Relay  
Outputs

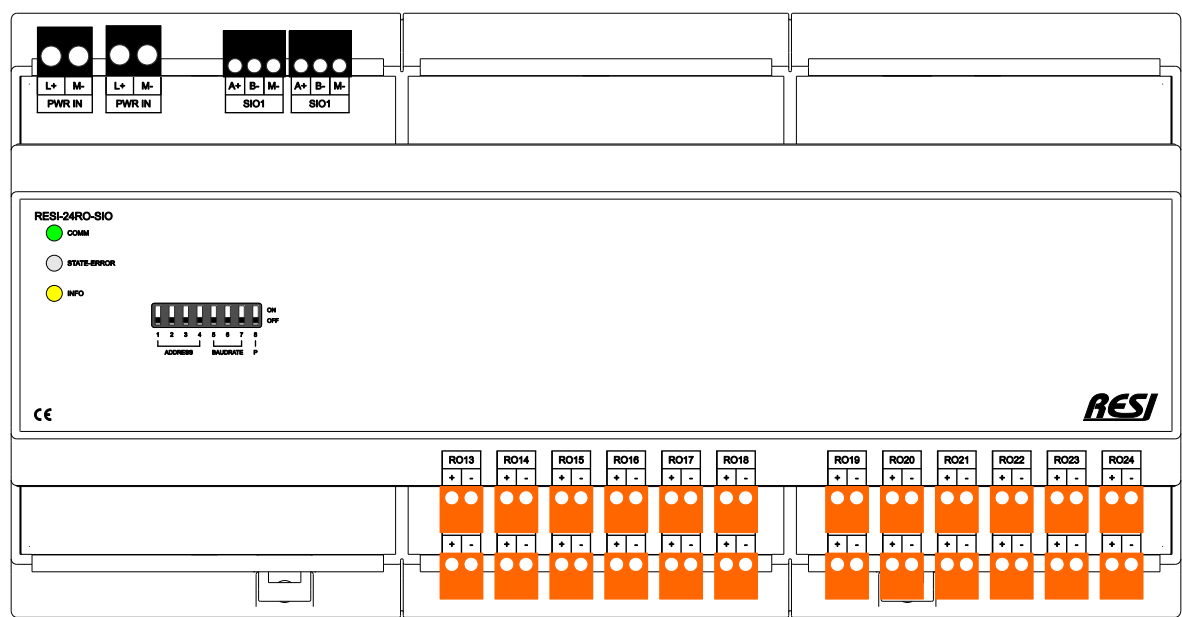
RELAY OUTPUT  
Form A relays  
with common supply+root

$\leq 30V=$   
 $\leq 250V\sim$   
 $\leq 6A$   
AgSnO<sub>2</sub>

Functionality  
IO module with 16 relay outputs for switching AC or DC signals.  
All 16 relay outputs have a common power supply terminal.

# RESI-24RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 24 Form A relay outputs for AC/DC signals.

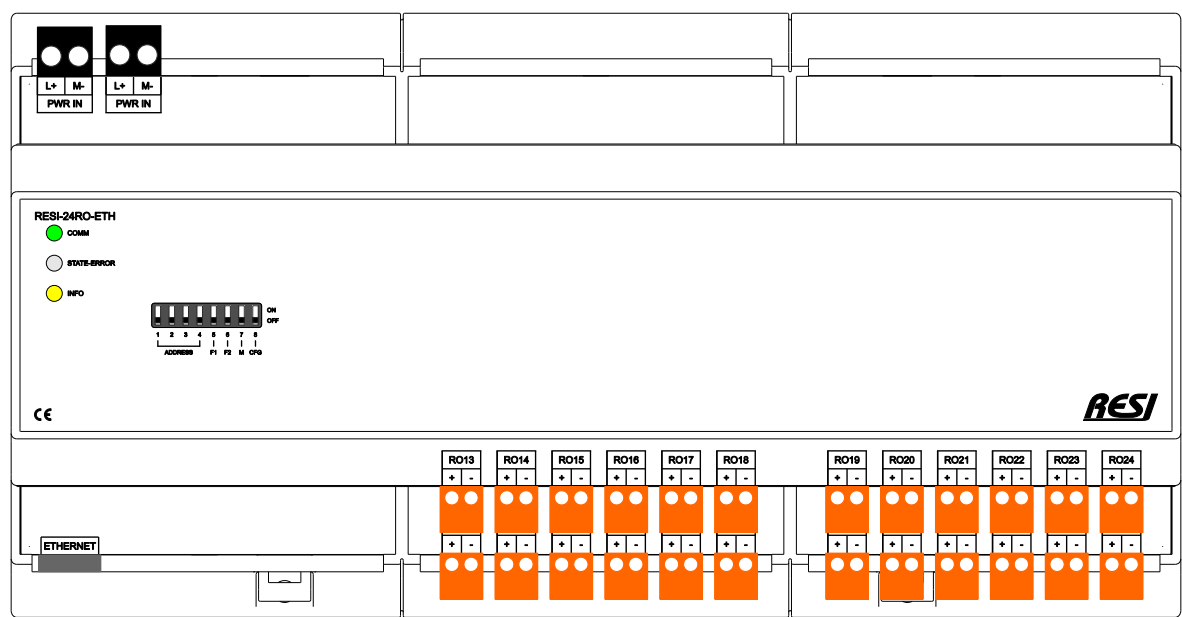


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                  |                               |                                              |
|----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 24<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 24 relay outputs for switching AC or DC signals. |                               |                                              |

# RESI-24RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 24 Form A relay outputs for AC/DC signals.



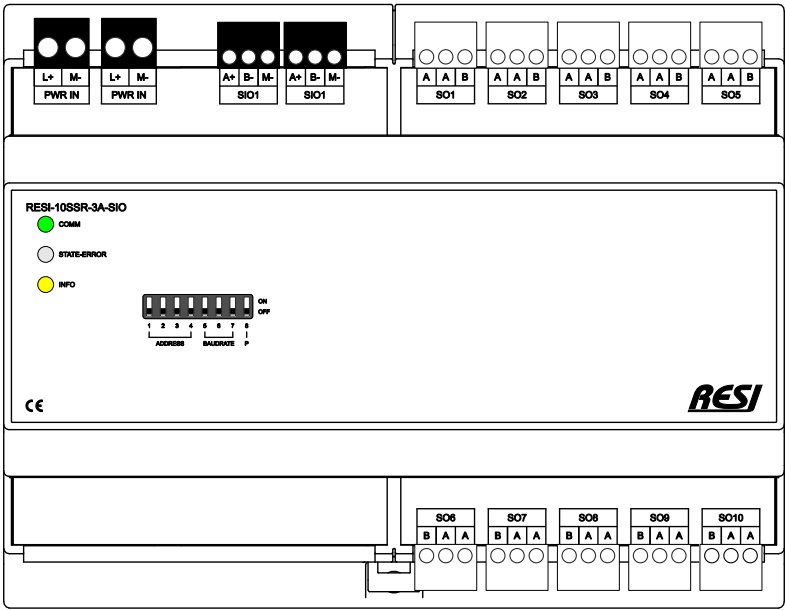
|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                  |                               |                                              |
|----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 24<br>Relay<br>Outputs                                                           | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 24 relay outputs for switching AC or DC signals. |                               |                                              |



# RESI-10SSR-xA-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 10 solid state relay outputs with Form A solid state relays.



DIN EN 50022  
Snap-on  
for DIN-Rail

ON-WALL  
Mounting on-wall

RS485

XT8  
143x110x62mm

12-48V=  
Power supply

10xFormA

10  
Solid State  
Outputs

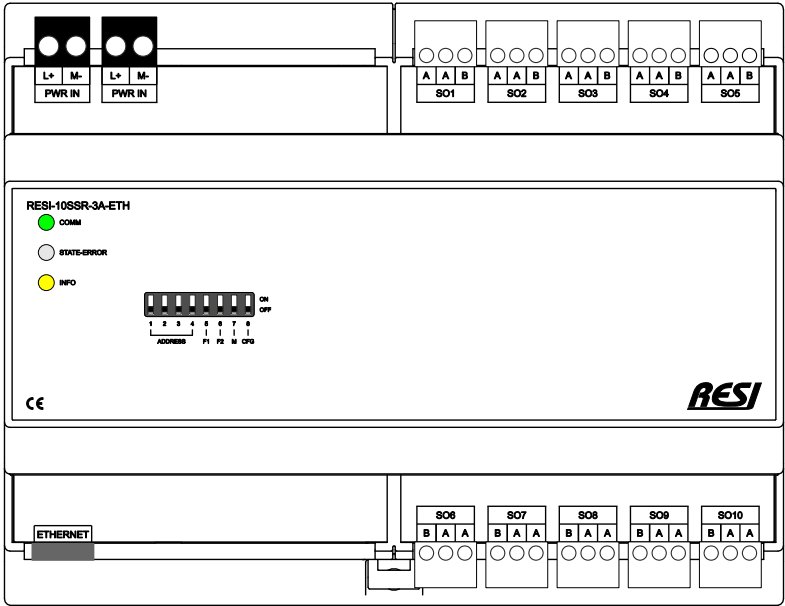
SOLID STATE OUTPUT  
10xForm A

$\leq 230V\sim =$   
 $\leq 1A$   
or  
 $\leq 60V\sim =$   
 $\leq 3A$   
or  
 $\leq 60V\sim =$   
 $\leq 6A$

Functionality  
IO module with 10 solid state outputs for switching AC or DC signals.  
Three variants:  
RESI-10SSR-1A-xxx: Solid state relays with  $\leq 230V\sim =$ ,  $\leq 1A$   
RESI-10SSR-3A-xxx: Solid state relays with  $\leq 60V\sim =$ ,  $\leq 3A$   
RESI-10SSR-6A-xxx: Solid state relays with  $\leq 60V\sim =$ ,  $\leq 6A$

# RESI-10SSR-xA-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 10 solid state relay outputs with Form A solid state relays.

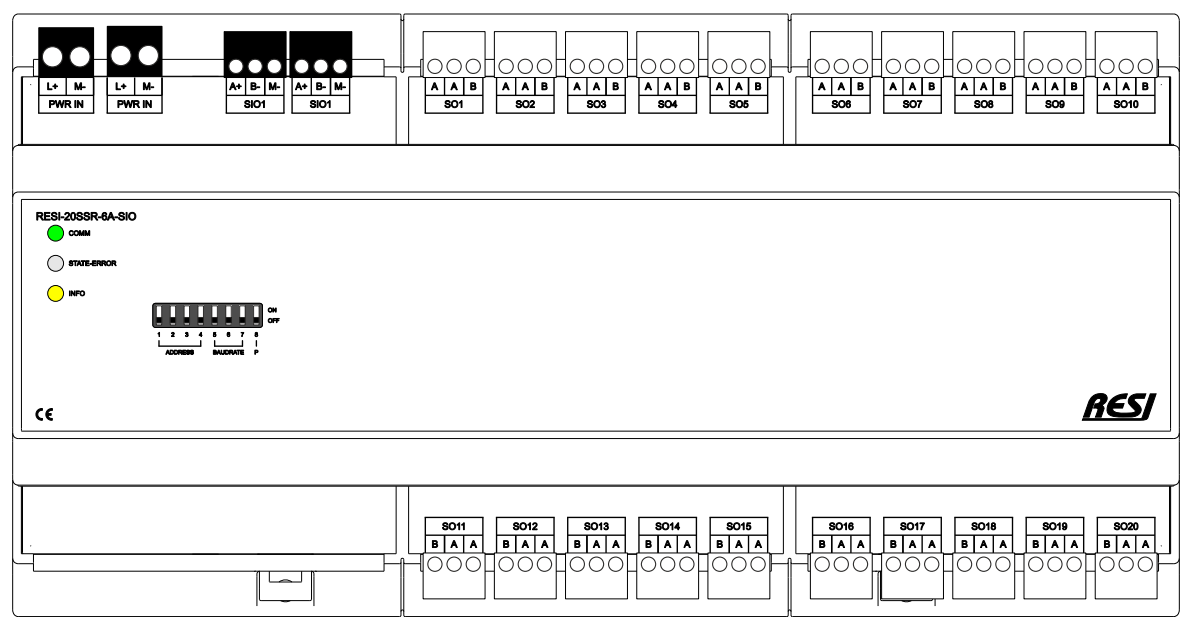


|                                         |                             |          |                     |                         |          |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 10xFormA |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                                                                                                    |                                 |                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| 10<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                       | SOLID STATE OUTPUT<br>10xForm A | $\leq 230V\sim =$<br>$\leq 1A$<br>or<br>$\leq 60V\sim =$<br>$\leq 3A$<br>or<br>$\leq 60V\sim =$<br>$\leq 6A$ |
| <b>Functionality</b><br>IO module with 10 solid state outputs for switching AC or DC signals.<br>Three variants:<br>RESI-10SSR-1A-xxx: Solid state relays with $\leq 230V\sim =$ , $\leq 1A$<br>RESI-10SSR-3A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 3A$<br>RESI-10SSR-6A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 6A$ |                                 |                                                                                                              |

# RESI-20SSR-xA-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 20 solid state relay outputs with Form A solid state relays.

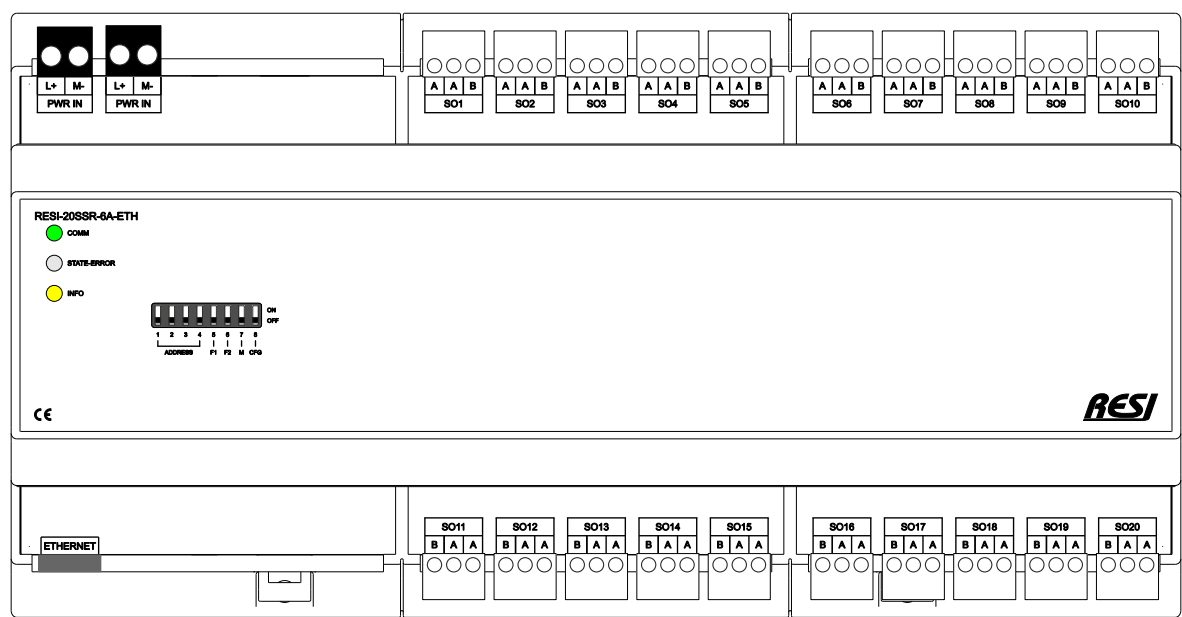


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 20xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                                                                                                    |                                 |                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| 20<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                       | SOLID STATE OUTPUT<br>20xForm A | $\leq 230V\sim =$<br>$\leq 1A$<br>or<br>$\leq 60V\sim =$<br>$\leq 3A$<br>or<br>$\leq 60V\sim =$<br>$\leq 6A$ |
| <b>Functionality</b><br>IO module with 20 solid state outputs for switching AC or DC signals.<br>Three variants:<br>RESI-20SSR-1A-xxx: Solid state relays with $\leq 230V\sim =$ , $\leq 1A$<br>RESI-20SSR-3A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 3A$<br>RESI-20SSR-6A-xxx: Solid state relays with $\leq 60V\sim =$ , $\leq 6A$ |                                 |                                                                                                              |

# RESI-20SSR-xA-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 20 solid state relay outputs with Form A solid state relays.

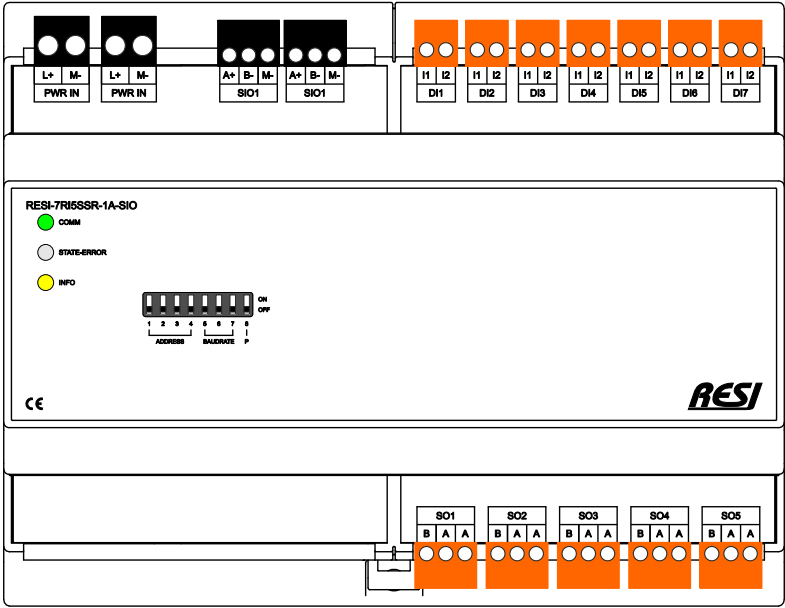


|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 20xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 20<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                          | SOLID STATE OUTPUT<br>20xForm A | $\leq 230V \sim =$<br>$\leq 1A$<br>or<br>$\leq 60V \sim =$<br>$\leq 3A$<br>or<br>$\leq 60V \sim =$<br>$\leq 6A$ |
| <b>Functionality</b><br>IO module with 20 solid state outputs for switching AC or DC signals.<br>Three variants:<br>RESI-20SSR-1A-xxx: Solid state relays with $\leq 230V \sim =$ , $\leq 1A$<br>RESI-20SSR-3A-xxx: Solid state relays with $\leq 60V \sim =$ , $\leq 3A$<br>RESI-20SSR-6A-xxx: Solid state relays with $\leq 60V \sim =$ , $\leq 6A$ |                                 |                                                                                                                 |

# RESI-7RI5SSR-xA-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 7 independent digital inputs for AC or DC signals 12-250V~ = and  
5 solid state relay outputs with Form A solid state relays.

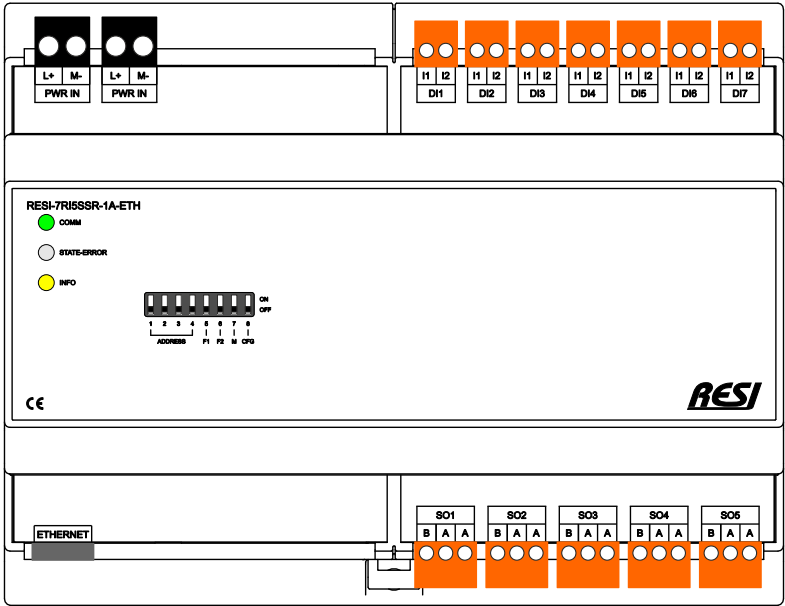


|                                         |                             |       |                     |                         |         |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 5xFormA |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------|--|

|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|
| 7<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                       | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA                                        |
| 5<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                               | SOLID STATE OUTPUT<br>5xForm A                                 | ≤230V~=<br>≤1A<br>or<br>≤60V~=<br>≤3A<br>or<br>≤60V~=<br>≤6A |
| Functionality<br>IO module with 7 digital inputs for 12-250Vac/dc signals and 5 solid state<br>outputs for switching AC or DC signals. Every input with own common contact to use different<br>AC or DC supplies for every input.<br>RESI-7RI5SSR-1A-xxx: Solid state relays with ≤230V~ =, ≤1A<br>RESI-7RI5SSR-3A-xxx: Solid state relays with ≤60V~ =, ≤3A<br>RESI-7RI5SSR-6A-xxx: Solid state relays with ≤60V~ =, ≤6A |                                                                |                                                              |

# RESI-7RI5SSR-xA-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 7 independent digital inputs for AC or DC signals 12-250V~ = and 5 solid state relay outputs with Form A solid state relays.

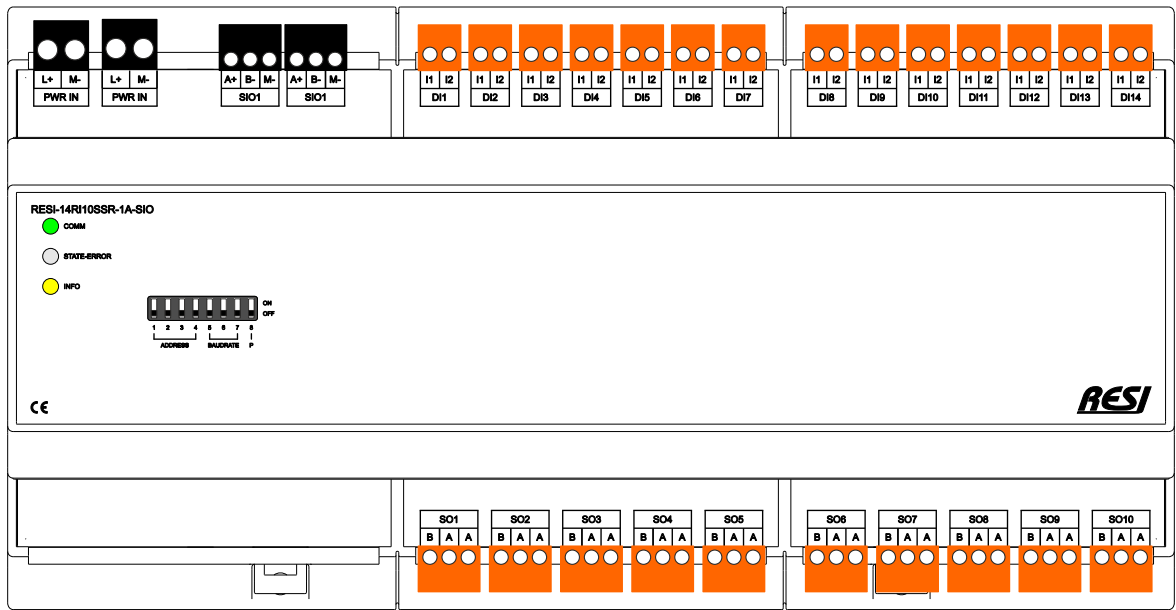


|                                         |                             |          |                     |                         |         |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|---------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 5xFormA |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|---------|--|

|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|
| 7<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                        | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA                                        |
| 5<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | SOLID STATE OUTPUT<br>5xForm A                                 | ≤230V~=<br>≤1A<br>or<br>≤60V~=<br>≤3A<br>or<br>≤60V~=<br>≤6A |
| <b>Functionality</b><br>IO module with 7 digital inputs for 12-250Vac/dc signals and 5 solid state outputs for switching AC or DC signals. Every input with own common contact to use different AC or DC supplies for every input.<br>RESI-7RI5SSR-1A-xxx: Solid state relays with ≤230V~ =, ≤1A<br>RESI-7RI5SSR-3A-xxx: Solid state relays with ≤60V~ =, ≤3A<br>RESI-7RI5SSR-6A-xxx: Solid state relays with ≤60V~ =, ≤6A |                                                                |                                                              |

# RESI-14RI10SSR-xA-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 14 independent digital inputs for AC or DC signals 12-250V~ = and 10 solid state relay outputs with Form A solid state relays.

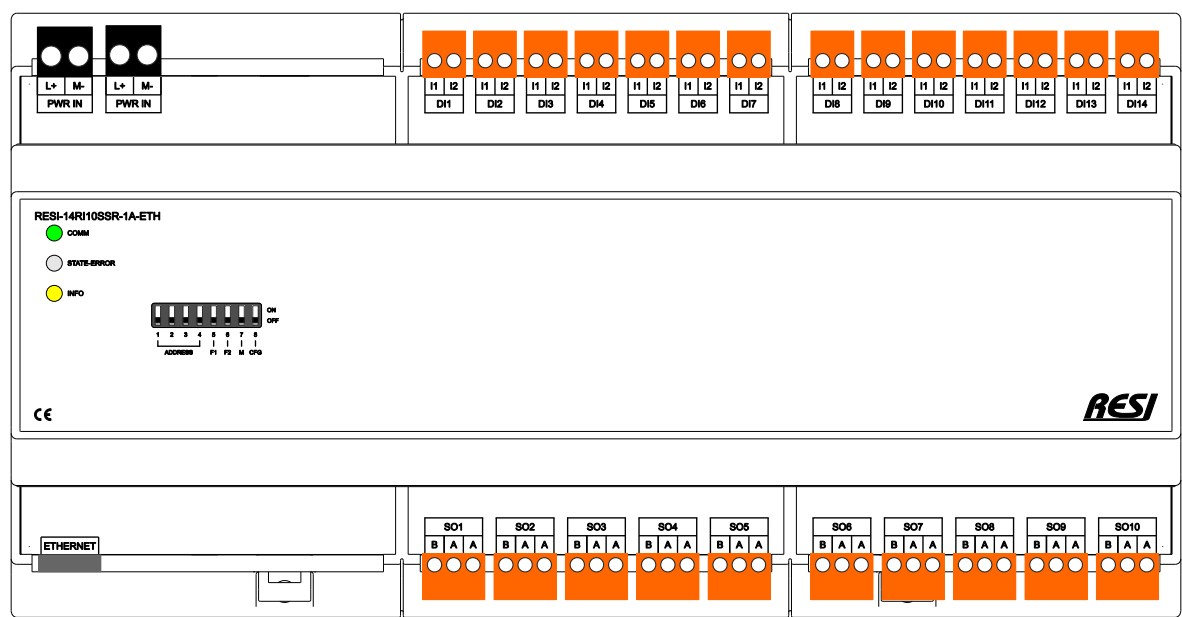


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 10xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                |                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|
| 14<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                              | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA                                        |
| 10<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                      | SOLID STATE OUTPUT<br>10xForm A                                | ≤230V~=<br>≤1A<br>or<br>≤60V~=<br>≤3A<br>or<br>≤60V~=<br>≤6A |
| Functionality<br>IO module with 14 digital inputs for 12-250Vac/dc signals and 10 solid state<br>outputs for switching AC or DC signals. Every input with own common contact to use different<br>AC or DC supplies for every input.<br>RESI-14RI10SSR-1A-xxx: Solid state relays with ≤230V~ =, ≤1A<br>RESI-14RI10SSR-3A-xxx: Solid state relays with ≤60V~ =, ≤3A<br>RESI-14RI10SSR-6A-xxx: Solid state relays with ≤60V~ =, ≤6A |                                                                |                                                              |

# RESI-14RI10SSR-xA-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 14 independent digital inputs for AC or DC signals 12-250V~ = and 10 solid state relay outputs with Form A solid state relays.



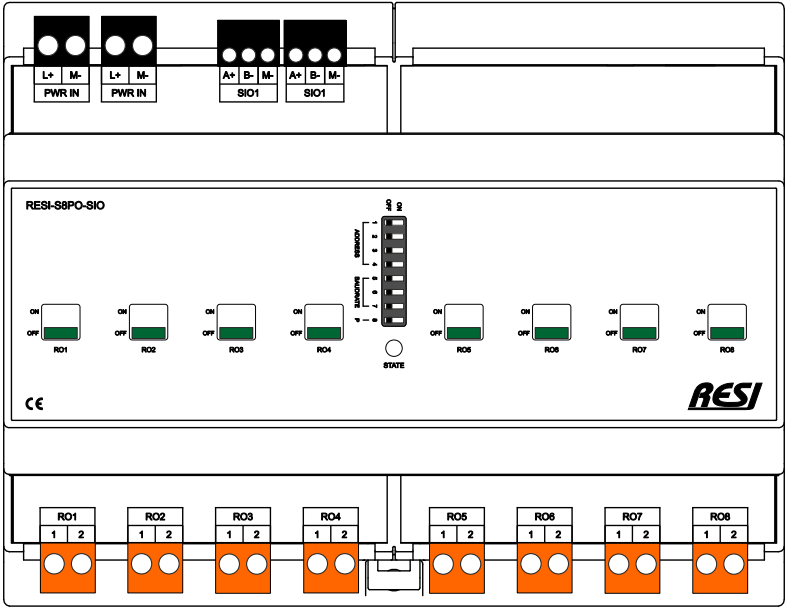
|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 10xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                |                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|
| 14<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                              | LOGIC INPUT<br>Each input has its own 2pin<br>plug-in terminal | 12...250V~=<br>≤1.8mA                                        |
| 10<br>Solid State<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                      | SOLID STATE OUTPUT<br>10xForm A                                | ≤230V~=<br>≤1A<br>or<br>≤60V~=<br>≤3A<br>or<br>≤60V~=<br>≤6A |
| Functionality<br>IO module with 14 digital inputs for 12-250Vac/dc signals and 10 solid state<br>outputs for switching AC or DC signals. Every input with own common contact to use different<br>AC or DC supplies for every input.<br>RESI-14RI10SSR-1A-xxx: Solid state relays with ≤230V~ =, ≤1A<br>RESI-14RI10SSR-3A-xxx: Solid state relays with ≤60V~ =, ≤3A<br>RESI-14RI10SSR-6A-xxx: Solid state relays with ≤60V~ =, ≤6A |                                                                |                                                              |



# RESI-S8PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 bistable power relay outputs with manual override for AC and DC signals.

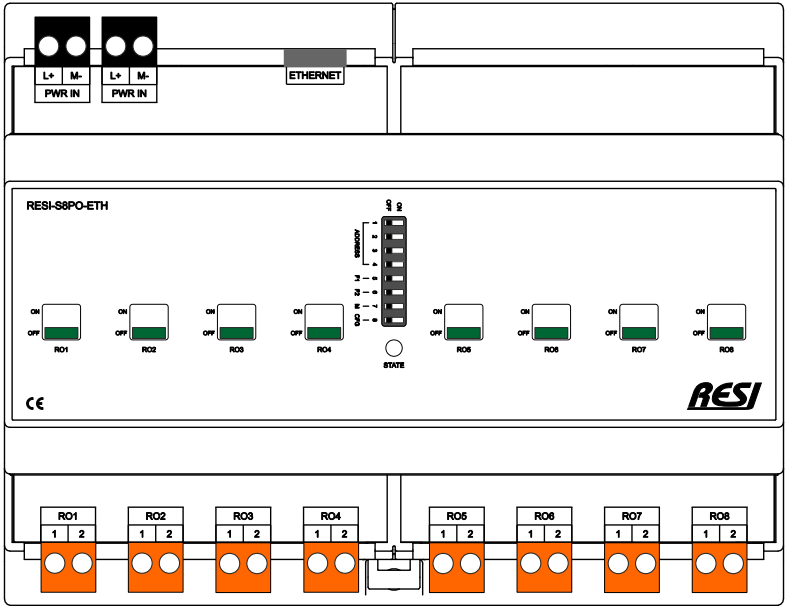


|                                         |                             |       |                     |                         |                            |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------------|--|

|                                                                                                                                   |                                 |                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                        | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-S8PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 bistable power relay outputs with manual override for AC and DC signals.

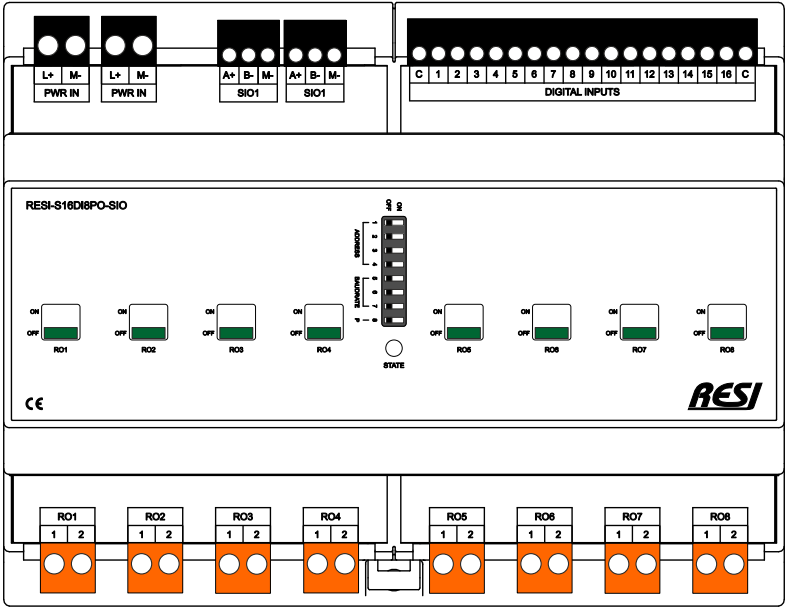


|                                         |                             |          |                     |                         |                            |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------------|--|

|                                                                                                                                   |                                 |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------|
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                        | BISTABLE RELAY OUTPUT<br>Form A | $\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                                                       |

# RESI-S16DI8PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for DC signals 12-48V and  
8 bistable power relay outputs with manual override for AC and DC signals.

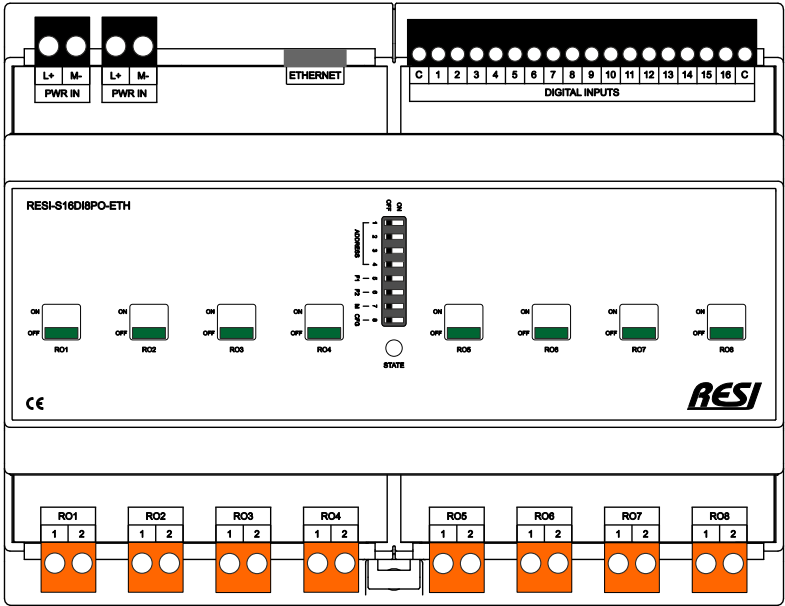


|                                         |                             |       |                     |                         |                            |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------------|--|

|                                                                                                                                                                                 |                                 |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 16<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT                     | 12...48V=<br>≤1.8mA                                     |
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                                                                      | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals and<br>8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-S16DI8PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 digital inputs for DC signals 12-48V and  
8 bistable power relay outputs with manual override for AC and DC signals.

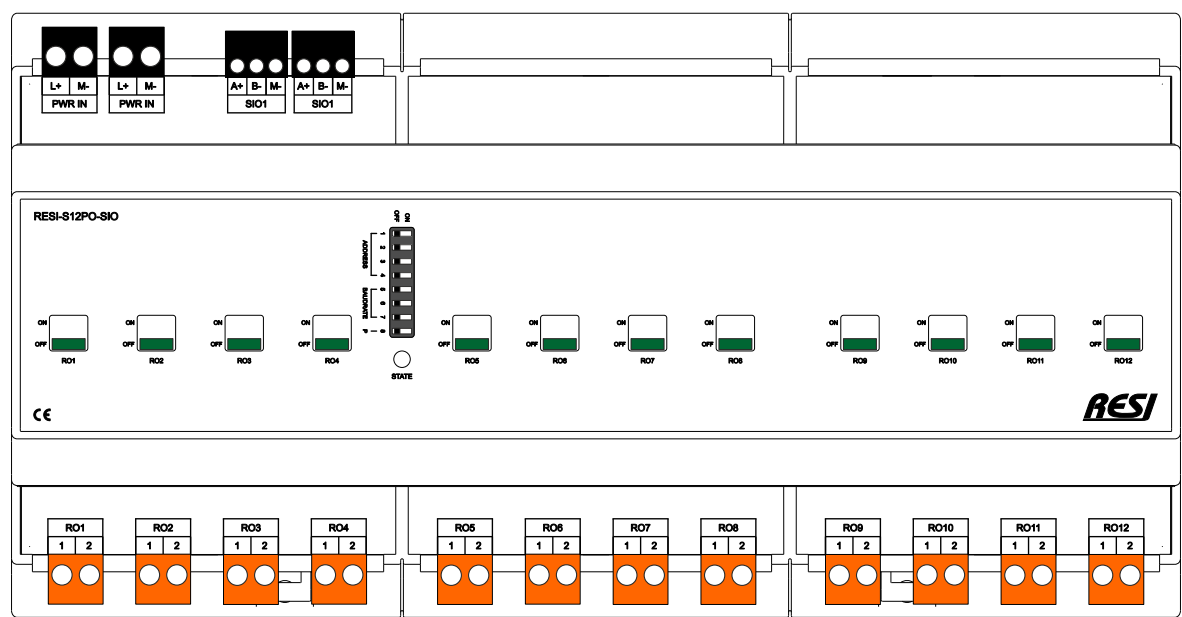


|                                         |                             |          |                     |                         |                            |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------------|--|

|                                                                                                                                                                                 |                                 |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 16<br>Digital Inputs                                                                                                                                                            | LOGIC INPUT                     | 12...48V=<br>≤1.8mA                                     |
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                                                                      | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals and<br>8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-S12PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 bistable power relay outputs with manual override for AC and DC signals.

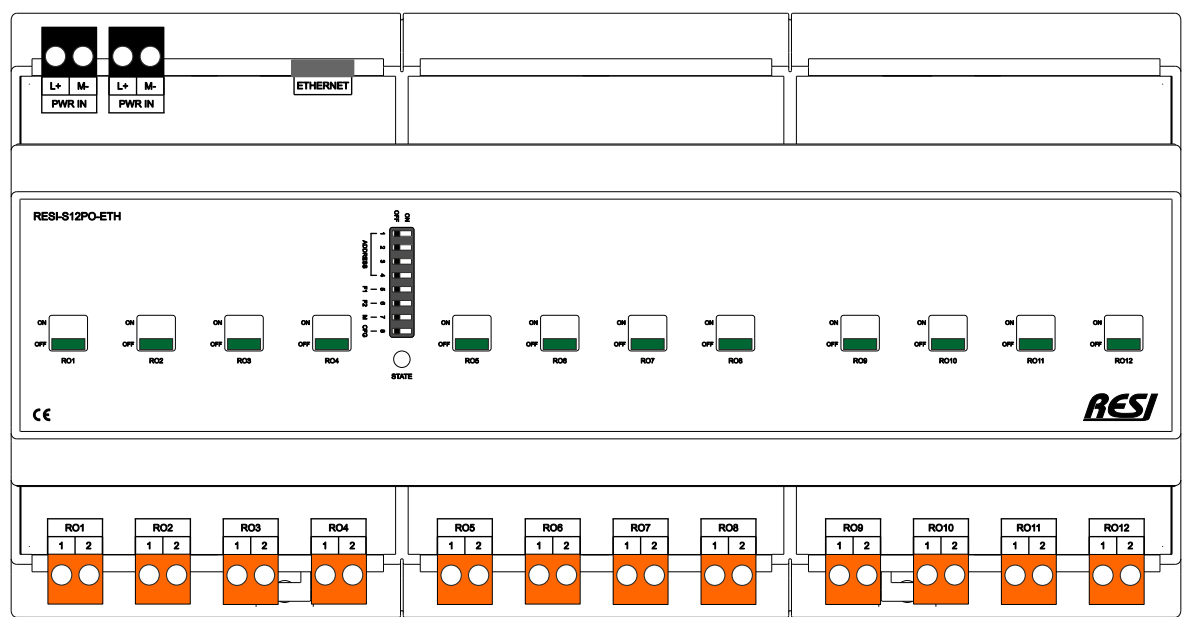


|                                         |                             |       |                      |                         |                             |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|-----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|-----------------------------|--|

|                                                                                                                                    |                                 |                                                         |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 12<br>bistable<br>Power<br>Relay<br>Outputs                                                                                        | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 12 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-S12PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 bistable power relay outputs with manual override for AC and DC signals.

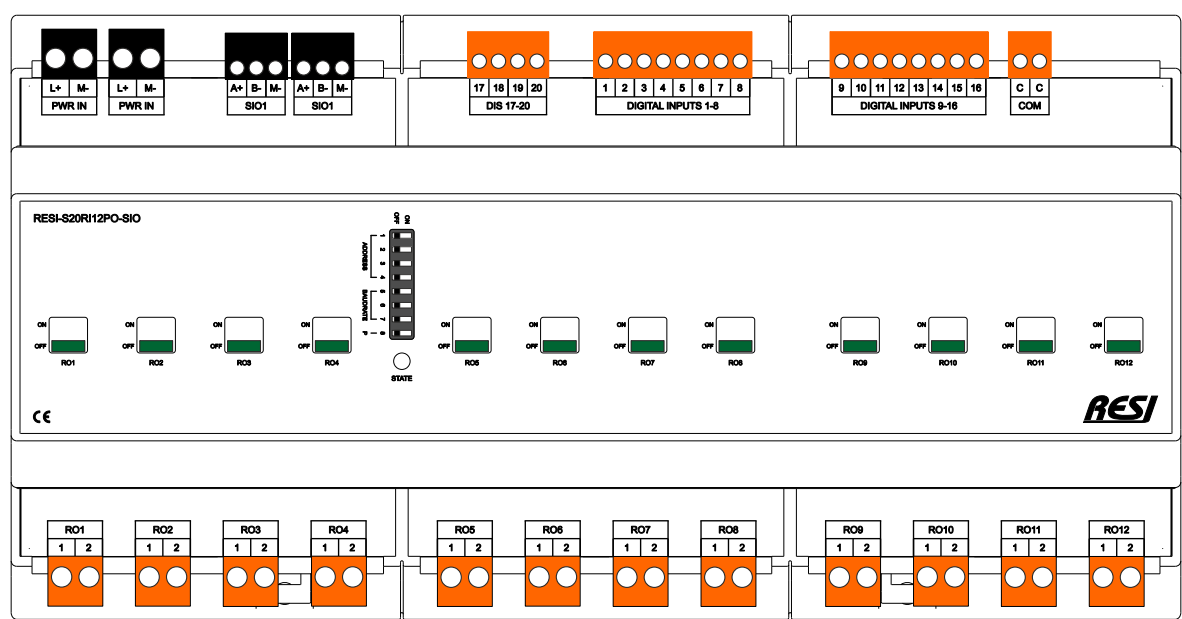


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|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|-----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|-----------------------------|--|

|                                                                                                                                        |                                 |                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------|
| 12<br>bistable<br>Power<br>Relay<br>Outputs                                                                                            | BISTABLE RELAY OUTPUT<br>Form A | $\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 16A$<br>$\leq 200\mu F$<br>$AgSnO_2$ |
| <b>Functionality</b><br>IO module with 12 bistable power relay outputs for switching AC or DC signals especially for capacitive loads. |                                 |                                                                              |

# RESI-S20RI12PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 20 digital inputs for AC and DC signals 12-250V~ = and  
12 bistable power relay outputs with manual override for AC and DC signals.



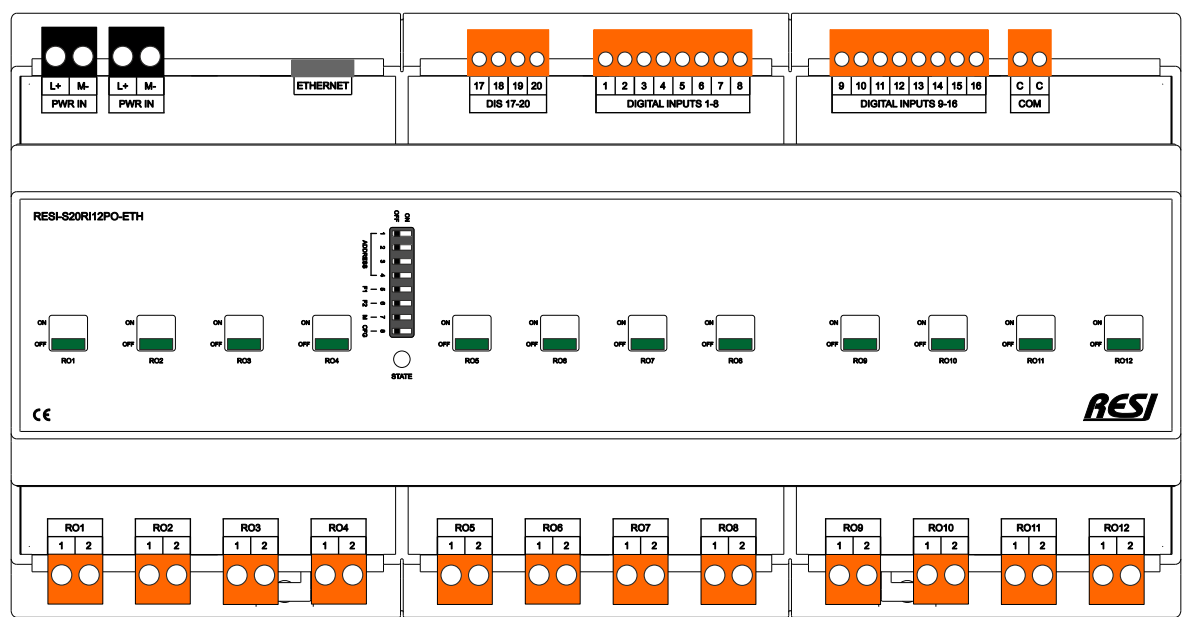
|                                         |                             |       |                      |                         |                             |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|-----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|-----------------------------|--|

|                                             |                                                                |                                                         |
|---------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------|
| 20<br>Digital Inputs                        | LOGIC INPUT<br>galvanic insulated<br>common contacts per group | 12...250V~=<br>≤1.8mA                                   |
| 12<br>bistable<br>Power<br>Relay<br>Outputs | BISTABLE RELAY OUTPUT<br>Form A                                | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 20 digital inputs for 12-250Vac/dc signals and 12 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.  
Inputs are organized in 1 group with 20 inputs each.  
Own common contact for group to use different AC or DC supplies for complete group.  
All inputs are galvanic-ally insulated from the rest of the module.

# RESI-S20RI12PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 20 digital inputs for AC and DC signals 12-250V~ = and  
12 bistable power relay outputs with manual override for AC and DC signals.



|                                         |                             |          |                      |                         |                             |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|-----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|-----------------------------|--|

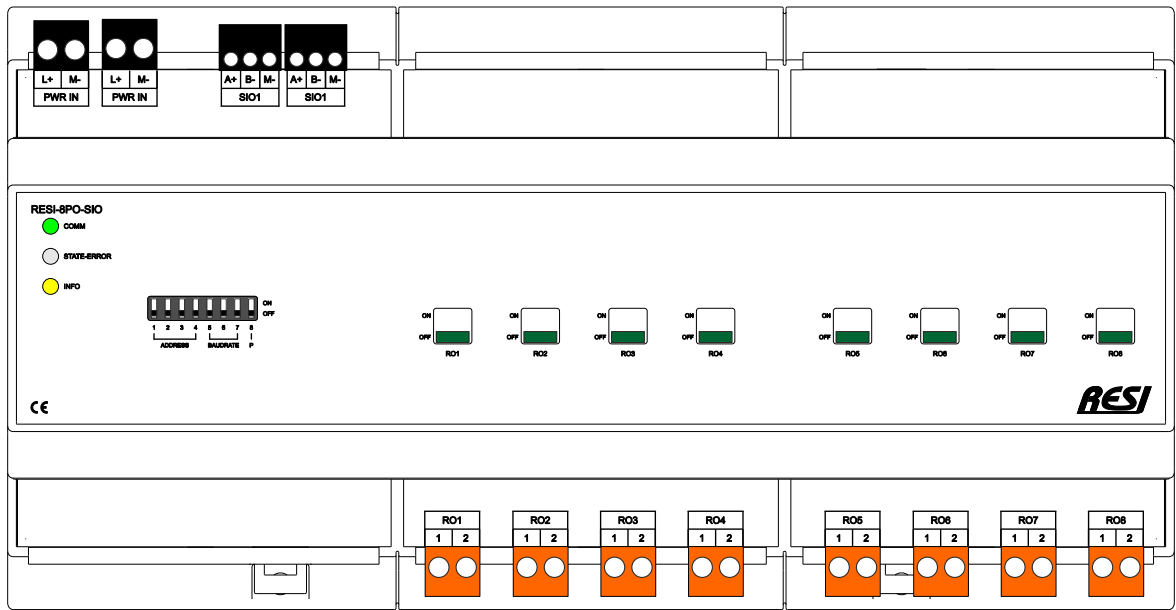
|                                             |                                                                |                                                         |
|---------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------|
| 20<br>Digital Inputs                        | LOGIC INPUT<br>galvanic insulated<br>common contacts per group | 12...250V~=<br>≤1.8mA                                   |
| 12<br>bistable<br>Power<br>Relay<br>Outputs | BISTABLE RELAY OUTPUT<br>Form A                                | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 20 digital inputs for 12-250Vac/dc signals and 12 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.  
Inputs are organized in 1 group with 20 inputs each.  
Own common contact for group to use different AC or DC supplies for complete group.  
All inputs are galvanic-ally insulated from the rest of the module.



# RESI-8PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 bistable power relay outputs with manual override for AC and DC signals.

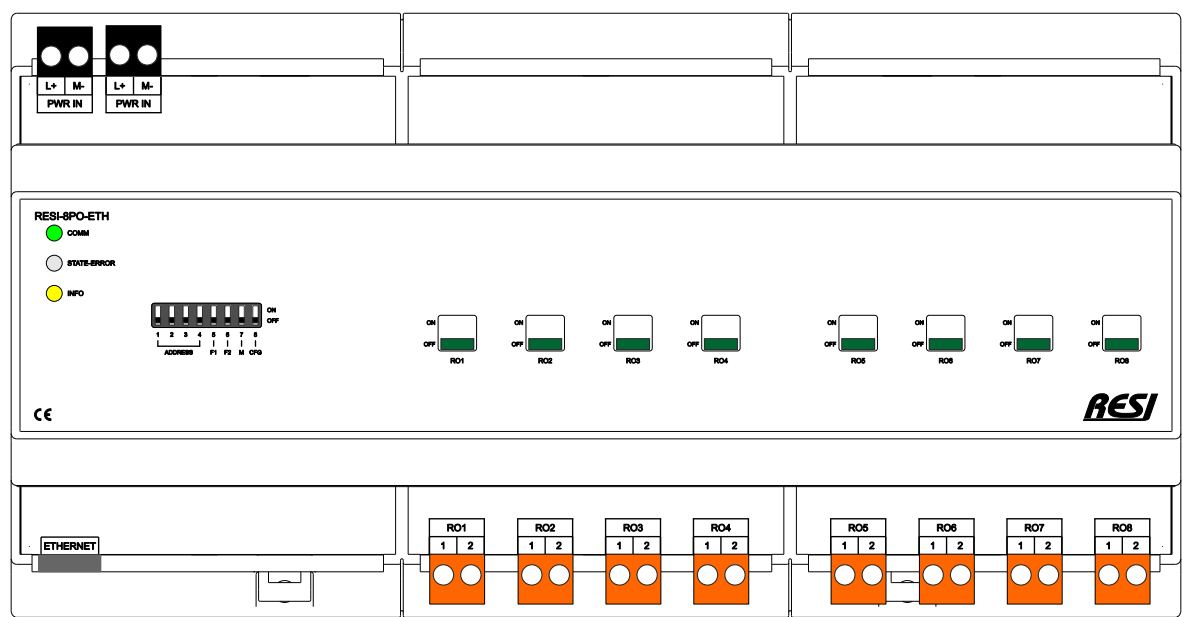


|                                         |                             |       |                      |                         |                            |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------------------------|--|

|                                                                                                                                   |                                 |                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                        | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-8PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 bistable power relay outputs with manual override for AC and DC signals.

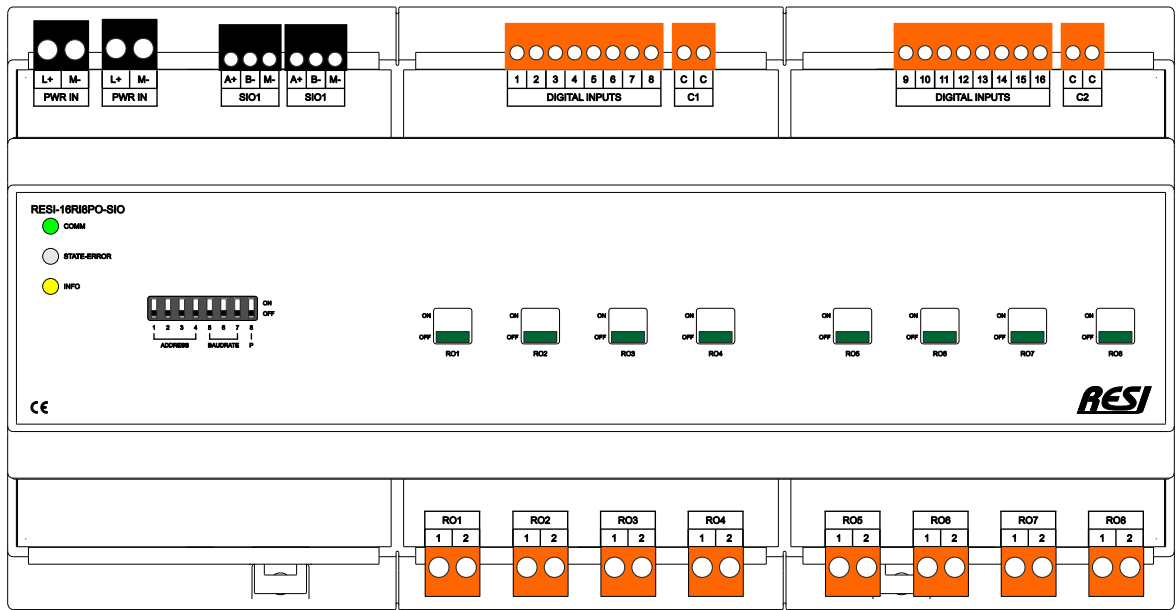


|                                         |                             |          |                      |                         |                            |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------------------------|--|

|                                                                                                                                   |                                 |                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
| 8<br>bistable<br>Power<br>Relay<br>Outputs                                                                                        | BISTABLE RELAY OUTPUT<br>Form A | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 bistable power relay outputs for switching AC or DC signals<br>especially for capacitive loads. |                                 |                                                         |

# RESI-16RI8PO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for AC and DC signals 12-250V~ = and  
8 bistable power relay outputs with manual override for AC and DC signals.



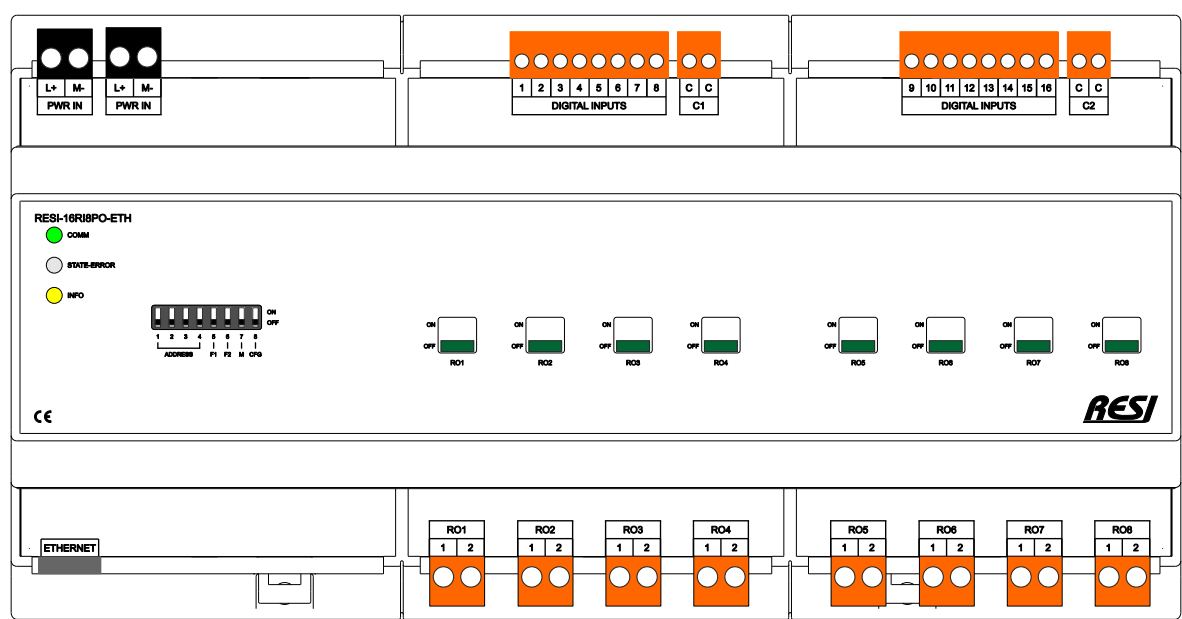
|                                         |                             |       |                      |                         |                            |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------------------------|--|

|                                            |                                                                |                                                         |
|--------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------|
| 16<br>Digital Inputs                       | LOGIC INPUT<br>galvanic insulated<br>common contacts per group | 12...250V~=<br>≤1.8mA                                   |
| 8<br>bistable<br>Power<br>Relay<br>Outputs | BISTABLE RELAY OUTPUT<br>Form A                                | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.  
Inputs are organized in 2 groups with 8 inputs each.  
Own common contacts for every group to use different AC or DC supplies for each group.  
All inputs are galvanic-ally insulated from the rest of the module.

# RESI-16RI8PO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 digital inputs for AC and DC signals 12-250V~ = and  
8 bistable power relay outputs with manual override for AC and DC signals.



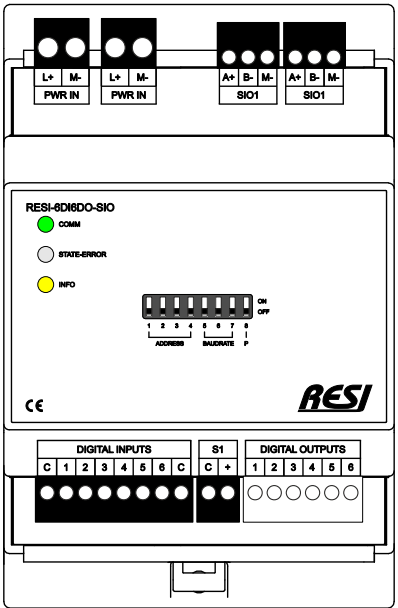
|                                         |                             |          |                      |                         |                            |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>Manual override |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------------------------|--|

|                                            |                                                                |                                                         |
|--------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------|
| 16<br>Digital Inputs                       | LOGIC INPUT<br>galvanic insulated<br>common contacts per group | 12...250V~=<br>≤1.8mA                                   |
| 8<br>bistable<br>Power<br>Relay<br>Outputs | BISTABLE RELAY OUTPUT<br>Form A                                | ≤30V=<br>≤250V~<br>≤16A<br>≤200μF<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.  
Inputs are organized in 2 groups with 8 inputs each.  
Own common contacts for every group to use different AC or DC supplies for each group.  
All inputs are galvanic-ally insulated from the rest of the module.

# RESI-6DI6DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals  $\leq 30V=$ .

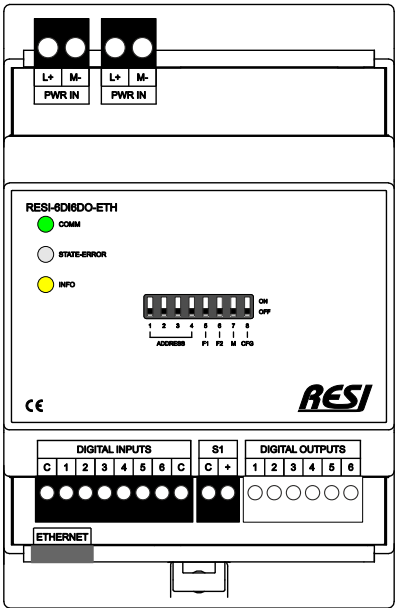


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                       |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                           | 12...48V=<br>$\leq 1.8mA$   |
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                 | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$ |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals and 6 digital outputs for $\leq 30Vdc$ signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                       |                             |

# RESI-6DI6DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V=.

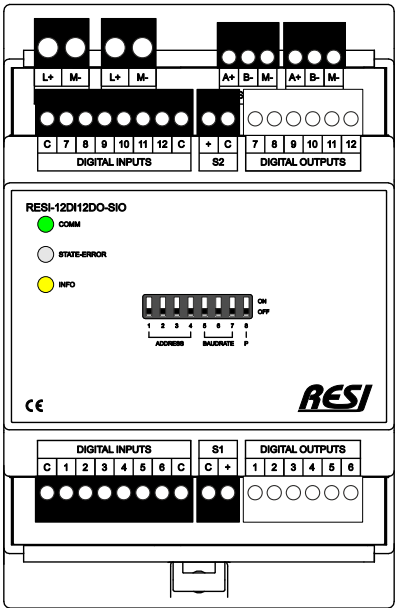


|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                       |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                            | LOGIC INPUT                                                                                                                                                                                           | 12...48V=<br>≤1.8mA |
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                           | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals and 6 digital outputs for ≤30Vdc signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                       |                     |

# RESI-12DI12DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals ≤30V=.

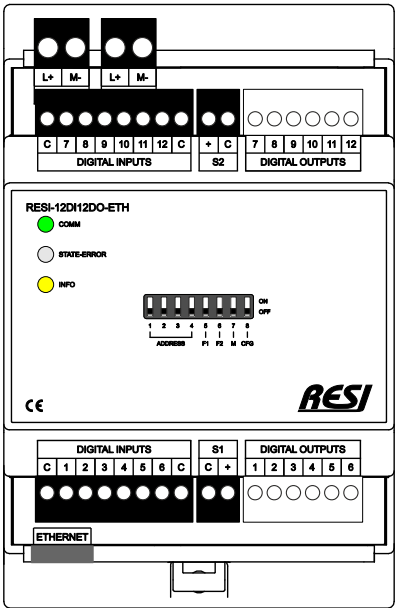


|                                         |                             |       |                    |                         |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                        |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 12<br>Digital Inputs                                                                                                                                                                                                                                                                                                                | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>≤1.8mA |
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                                                               | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 12 digital inputs for 12-48Vdc signals<br>and 12 digital outputs for ≤30Vdc signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                     |

# RESI-12DI12DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 12 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals ≤30V=.



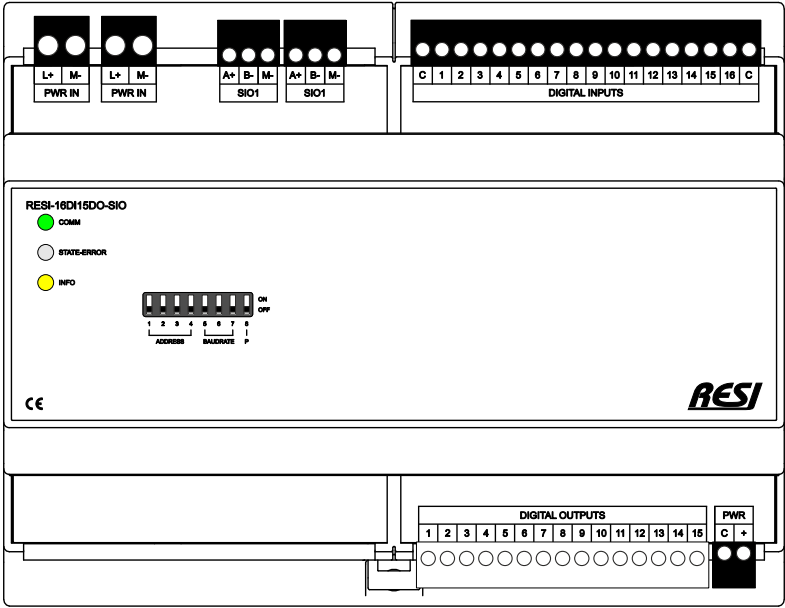
|                                         |                             |          |                    |                         |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                        |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 12<br>Digital Inputs                                                                                                                                                                                                                                                                                                                | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>≤1.8mA |
| 12<br>Digital Outputs                                                                                                                                                                                                                                                                                                               | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 12 digital inputs for 12-48Vdc signals<br>and 12 digital outputs for ≤30Vdc signals.<br>Each group of 6 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                     |



# RESI-16DI15DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V=.

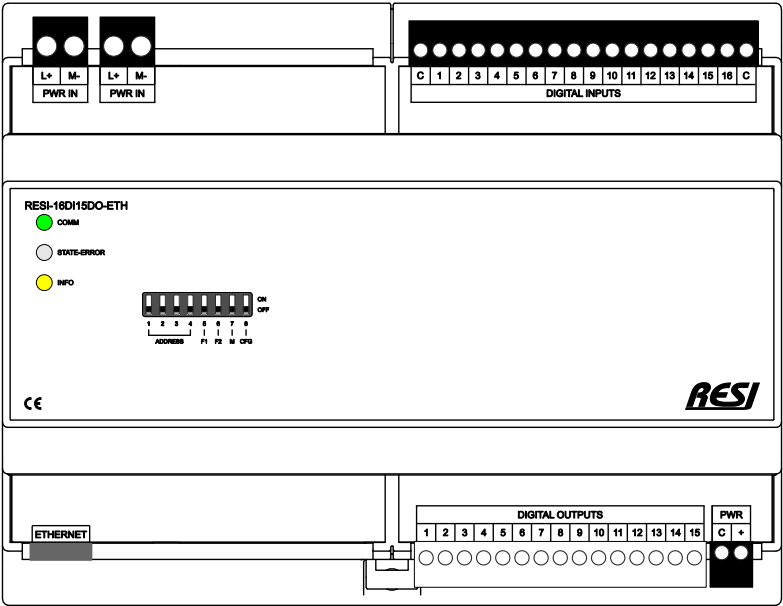


|                                         |                             |       |                     |                         |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                        |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>≤1.8mA |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals<br>and 15 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                     |

# RESI-16DI15DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V=.

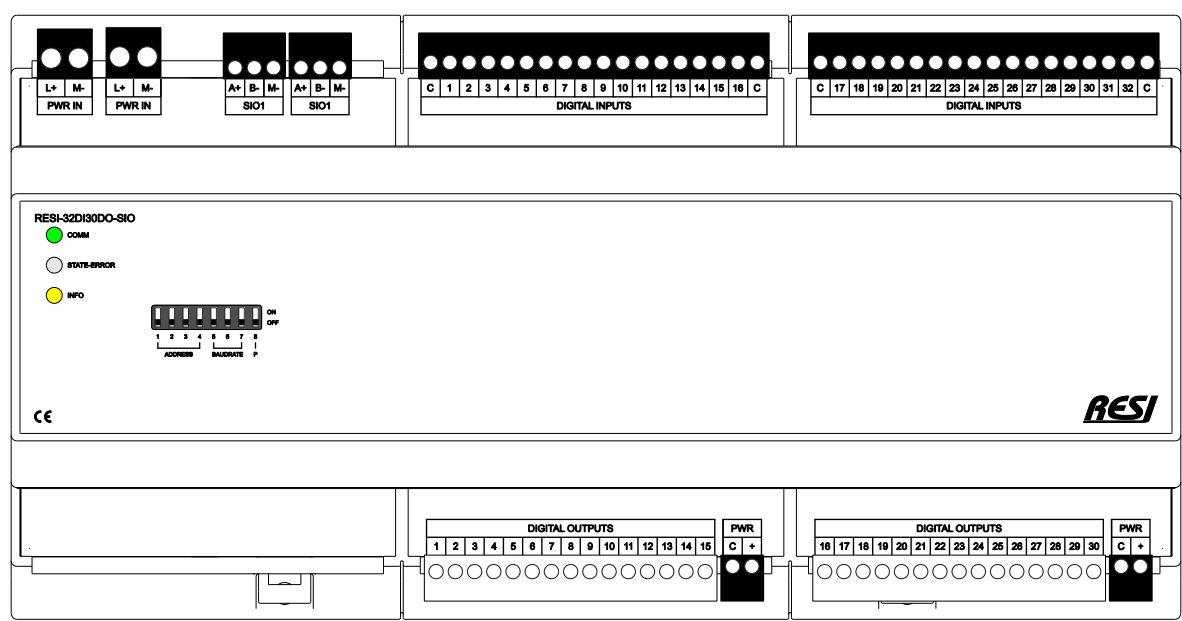


|                                         |                             |          |                     |                         |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                        |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>≤1.8mA |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals<br>and 15 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                        |                     |

# RESI-32DI30DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V=.

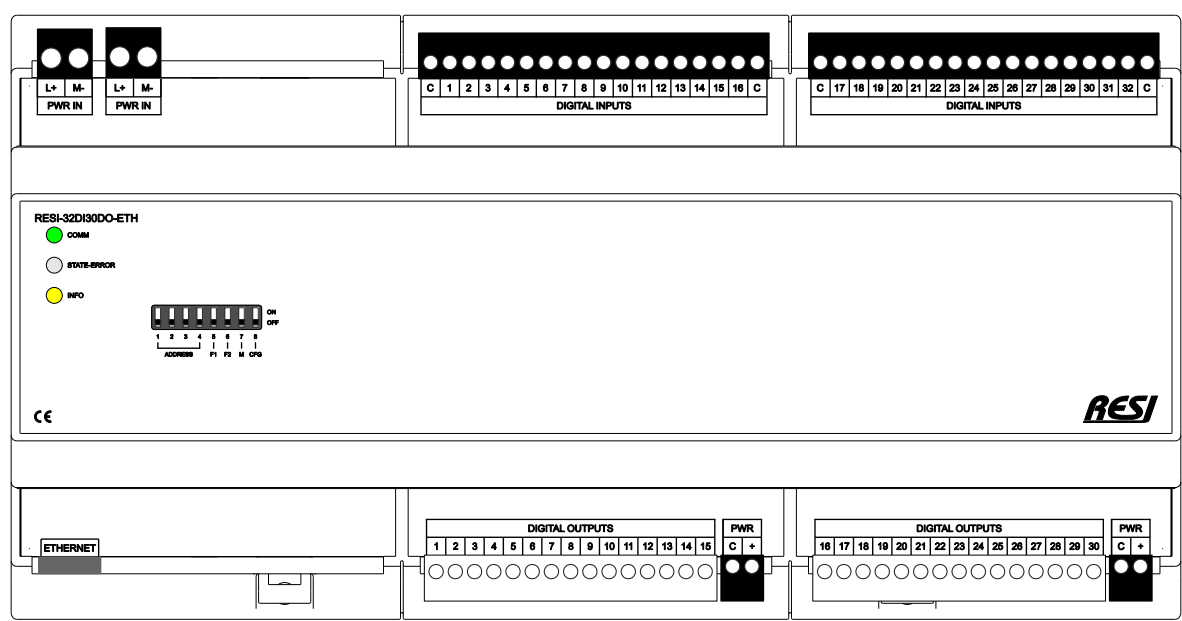


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                             | 12...48V=<br>≤1.8mA |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals<br>and 30 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                     |

# RESI-32DI30DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V=.

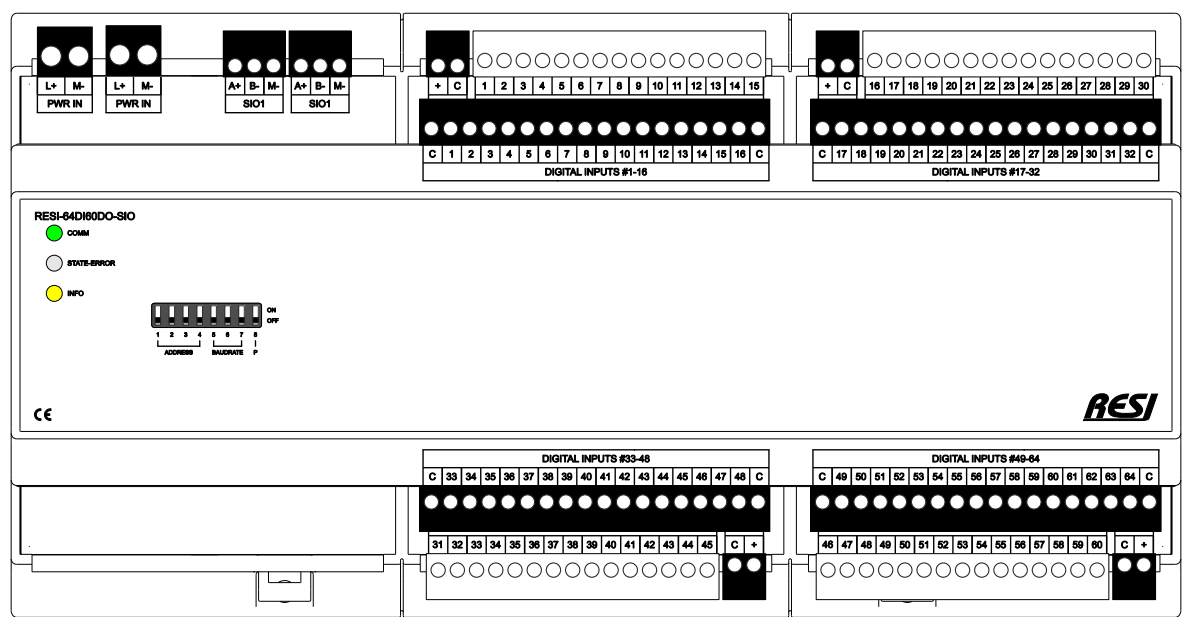


|                                         |                             |          |                      |                         |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                             | 12...48V=<br>≤1.8mA |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals<br>and 30 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                     |

# RESI-64DI60DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V=.

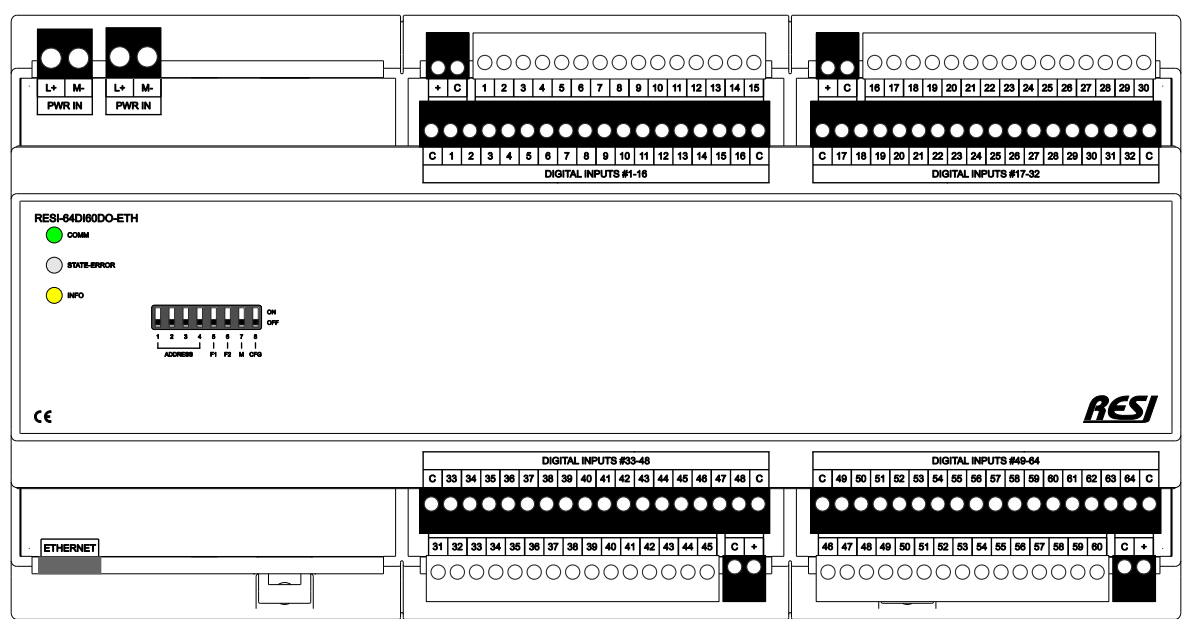


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                             | 12...48V=<br>≤1.8mA |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals<br>and 60 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                     |

# RESI-64DI60DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V=.

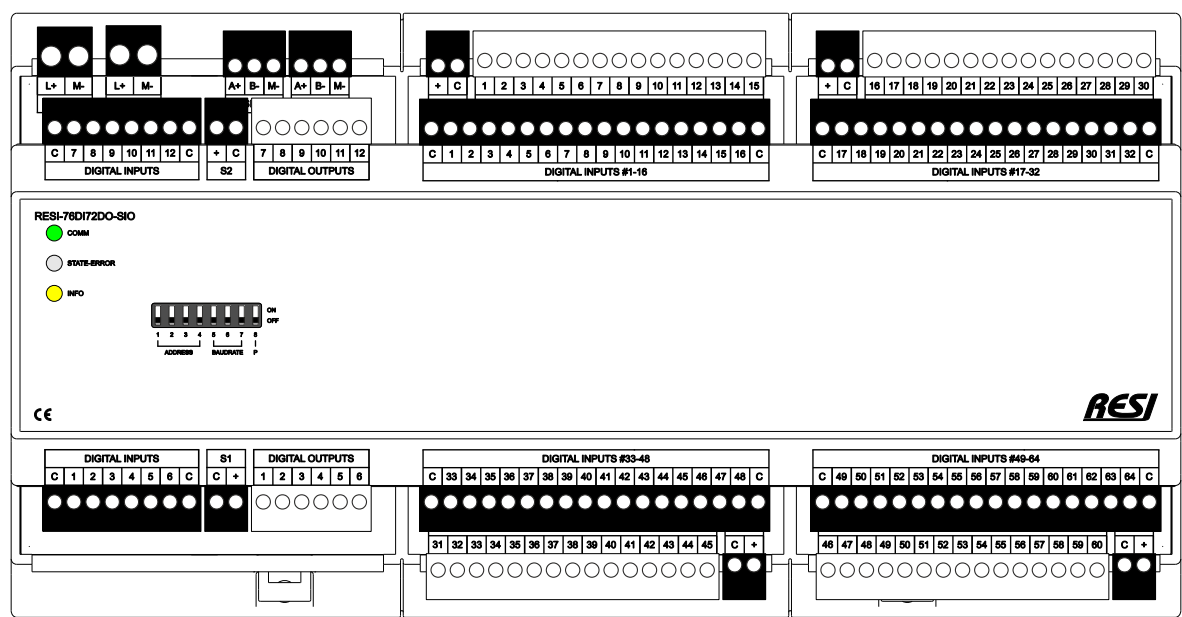


|                                         |                             |          |                      |                         |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                 | LOGIC INPUT                                                                                                                                                                                             | 12...48V=<br>≤1.8mA |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals<br>and 60 digital outputs for ≤30Vdc signals.<br>Each group of 15 outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                         |                     |

# RESI-76DI72DO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 76 digital inputs for DC signals 12-48V= and 72 digital outputs for DC signals ≤30V=.

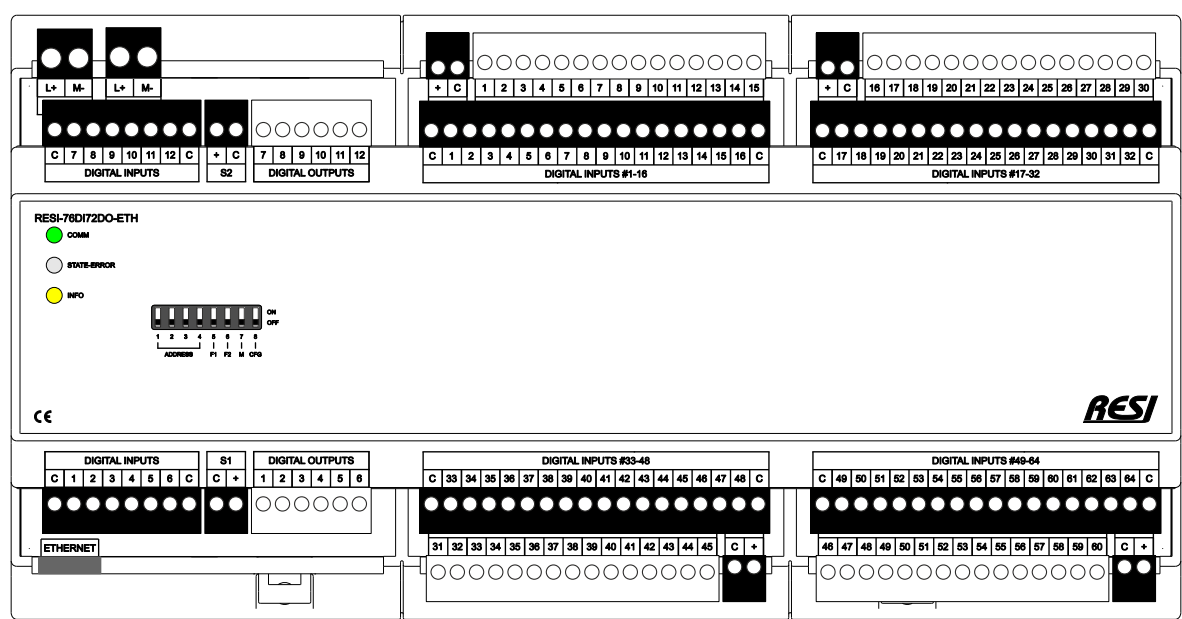


|                                         |                             |       |                      |                         |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 76<br>Digital Inputs                                                                                                                                                                                                                                                                                                              | LOGIC INPUT                                                                                                                                                                                                                                 | 12...48V=<br>≤1.8mA |
| 72<br>Digital Outputs                                                                                                                                                                                                                                                                                                             | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each<br>and 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 76 digital inputs for 12-48Vdc signals<br>and 72 digital outputs for ≤30Vdc signals.<br>Each group of outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                                                             |                     |

# RESI-76DI72DO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 76 digital inputs for DC signals 12-48V= and 72 digital outputs for DC signals ≤30V=.



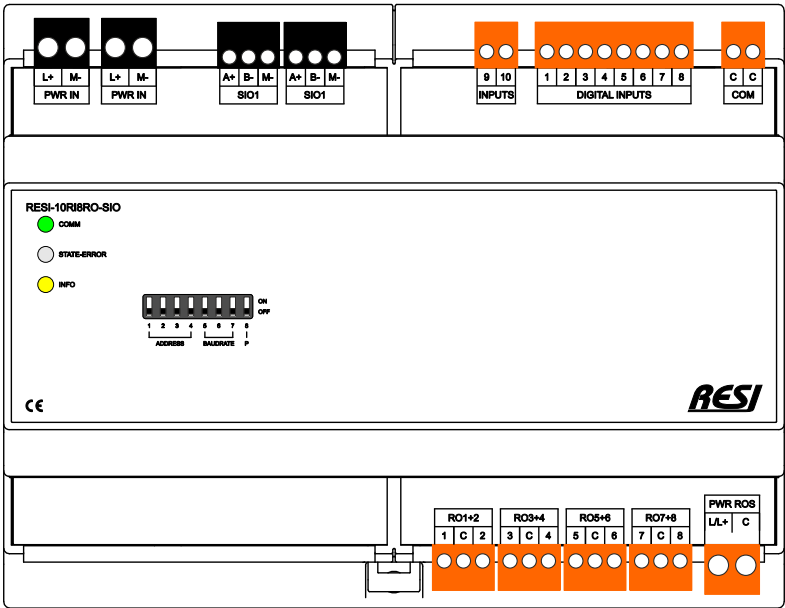
|                                         |                             |          |                      |                         |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|

|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 76<br>Digital Inputs                                                                                                                                                                                                                                                                                                              | LOGIC INPUT                                                                                                                                                                                                                                 | 12...48V=<br>≤1.8mA |
| 72<br>Digital Outputs                                                                                                                                                                                                                                                                                                             | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each<br>and 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA     |
| Functionality<br>IO module with 76 digital inputs for 12-48Vdc signals<br>and 72 digital outputs for ≤30Vdc signals.<br>Each group of outputs has its own power supply connector.<br>Each output group detects power supply, overheat or short cut error.<br>All outputs are galvanic-ally insulated from the rest of the module. |                                                                                                                                                                                                                                             |                     |



# RESI-10RI8RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 10 digital inputs for AC or DC signals 12-250V~=  
8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

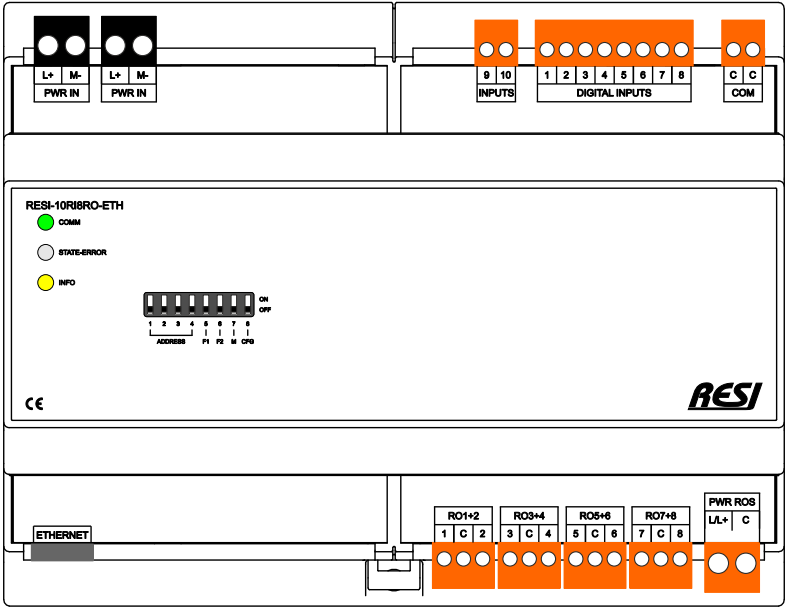


|                                         |                             |       |                     |                         |                         |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                    |                                                          |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 10<br>Digital Inputs                                                                                                                                                                                                                                                                                                                               | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 8<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                              | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 10 digital inputs for 12-250Vac/dc signals and 8 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common AC or DC power supply.<br>All inputs are galvanic-ally insulated from the rest of the module.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-10RI8RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 10 digital inputs for AC or DC signals 12-250V~ = and  
8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

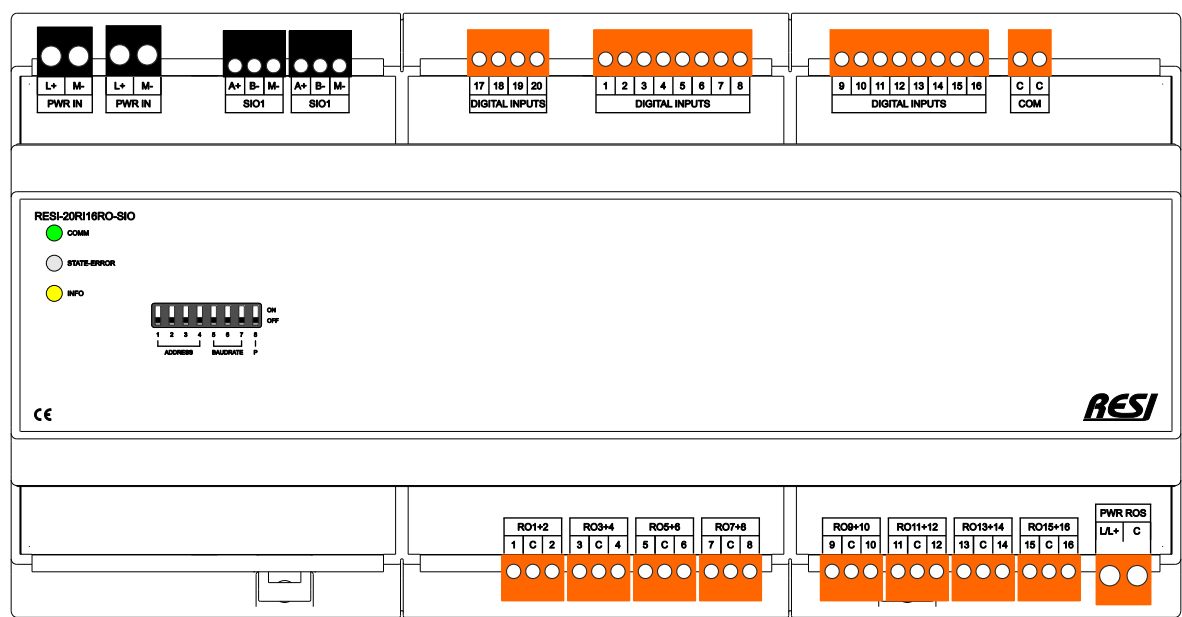


|                                         |                             |          |                     |                         |                         |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 10<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 8<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                 | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 10 digital inputs for 12-250Vac/dc signals and<br>8 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common AC or DC power supply.<br>All inputs are galvanic-ally insulated from the rest of the module.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-20RI16RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 20 digital inputs for AC or DC signals 12-250V~ = and  
16 Form A relay outputs for AC/DC signals with common power supply+root contacts.

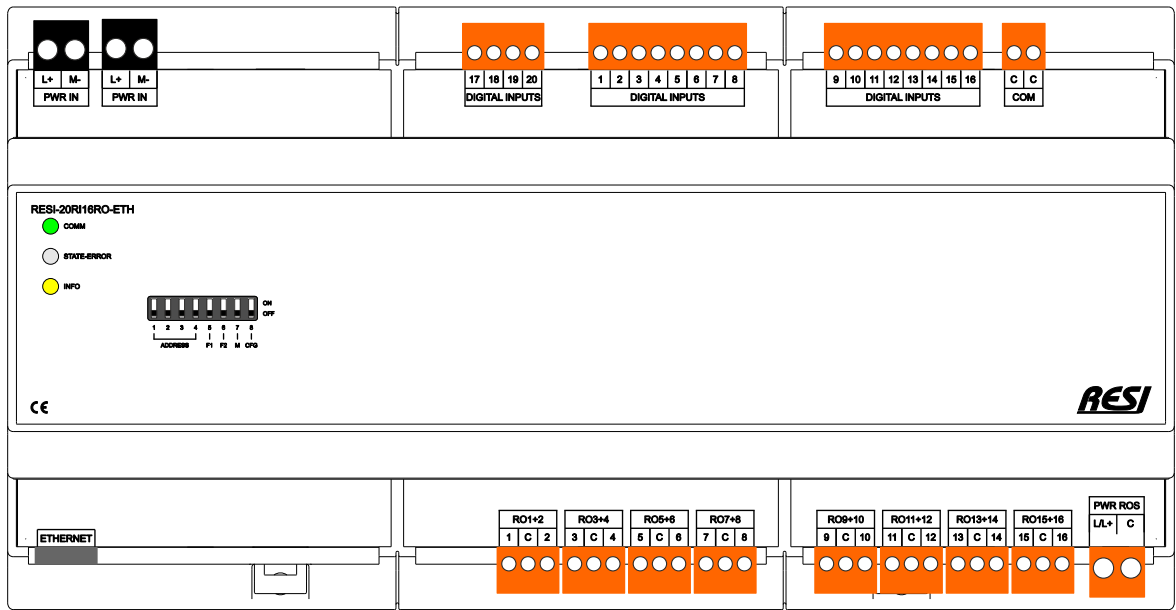


|                                         |                             |       |                      |                         |                          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|--------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|--------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 20<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 16<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                  | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 20 digital inputs for 12-250Vac/dc signals and<br>16 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common AC or DC power supply.<br>All inputs are galvanic-ally insulated from the rest of the module.<br>All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-20RI16RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 20 digital inputs for AC or DC signals 12-250V~ = and  
16 Form A relay outputs for AC/DC signals with common power supply+root contacts.

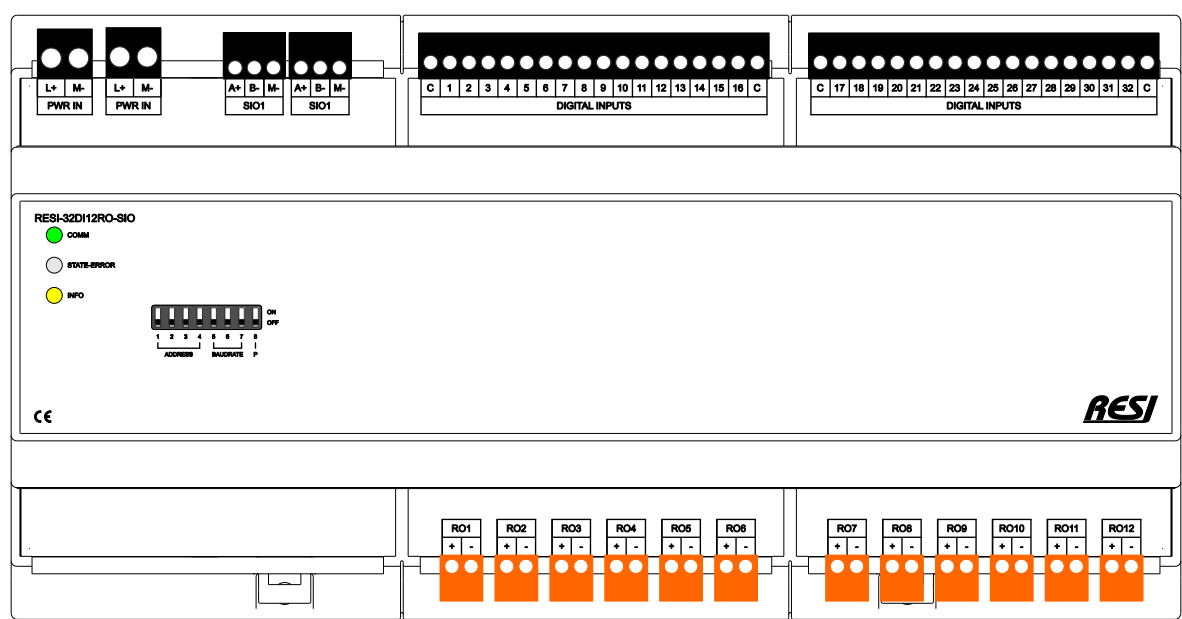


|                                         |                             |          |                      |                         |                          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|--------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>common power |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|--------------------------|--|

|                                                                                                                                                                                                                                                                                                                                           |                                                          |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 20<br>Digital Inputs                                                                                                                                                                                                                                                                                                                      | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 16<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                    | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 20 digital inputs for 12-250Vac/dc signals and<br>16 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common AC or DC power supply.<br>All inputs are galvanic-ally insulated from the rest of the module.<br>All 16 relay outputs have a common power terminal. |                                                          |                                              |

# RESI-32DI12RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals.

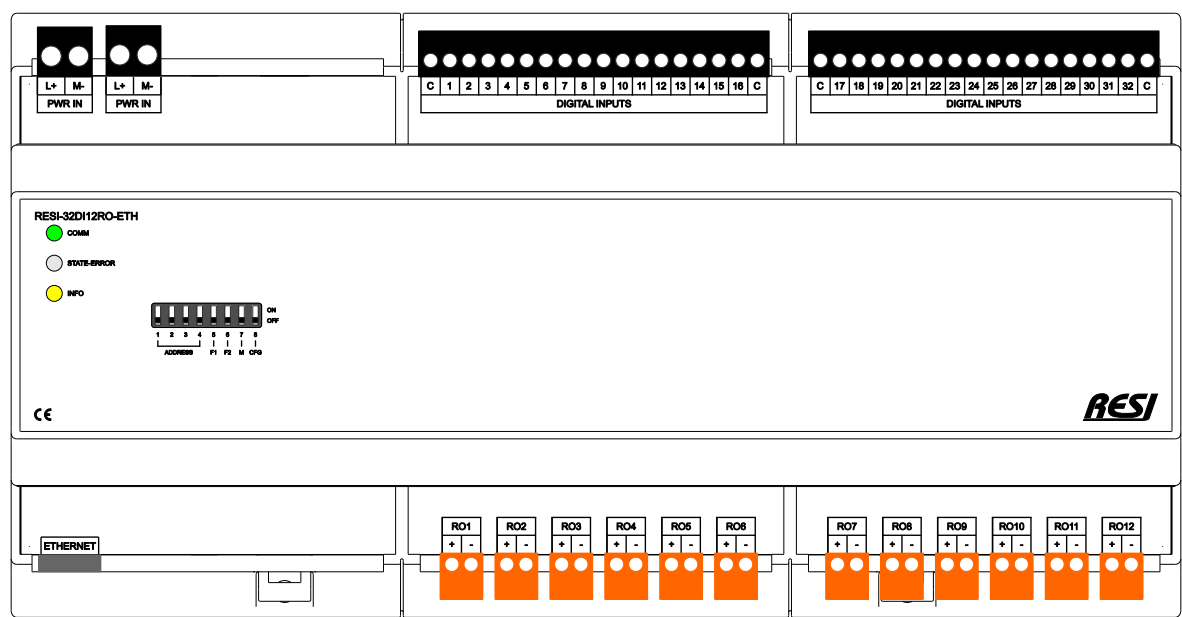


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                          |                               |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                     | LOGIC INPUT                   | 12...48V=<br>≤1.8mA                          |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                   | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 32 digital inputs for 12-48Vdc signals.<br>and 12 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common DC power supply.<br>All relay outputs are separated with its own root contact. |                               |                                              |

# RESI-32DI12RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals.

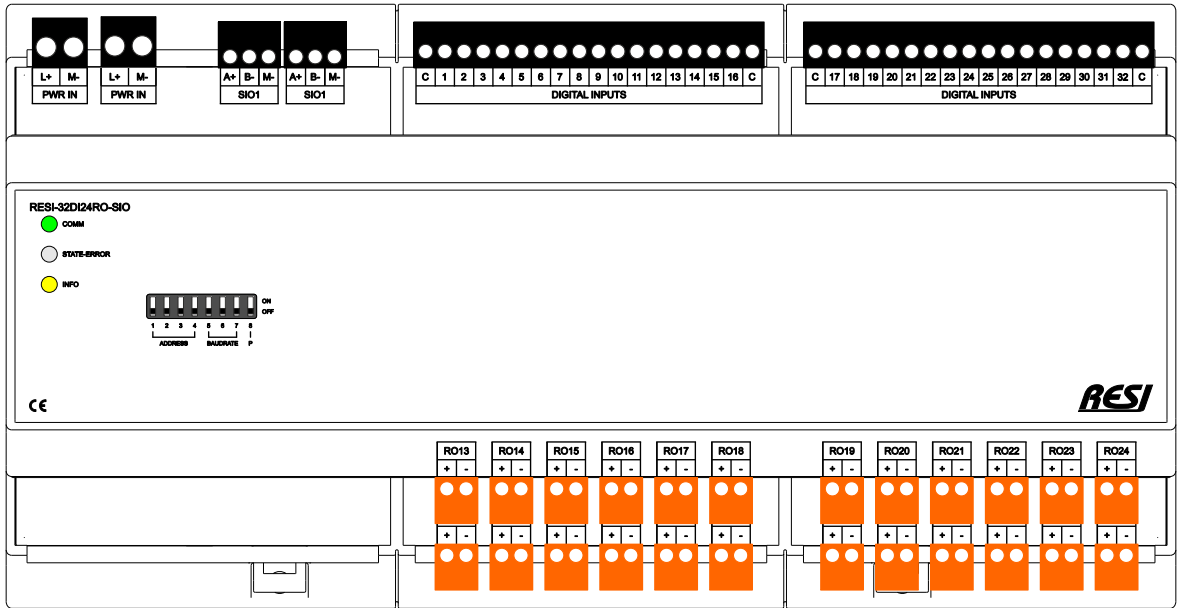


|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 12xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                          |                               |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                     | LOGIC INPUT                   | 12...48V=<br>≤1.8mA                          |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                   | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 32 digital inputs for 12-48Vdc signals.<br>and 12 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common DC power supply.<br>All relay outputs are separated with its own root contact. |                               |                                              |

# RESI-32DI24RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals.

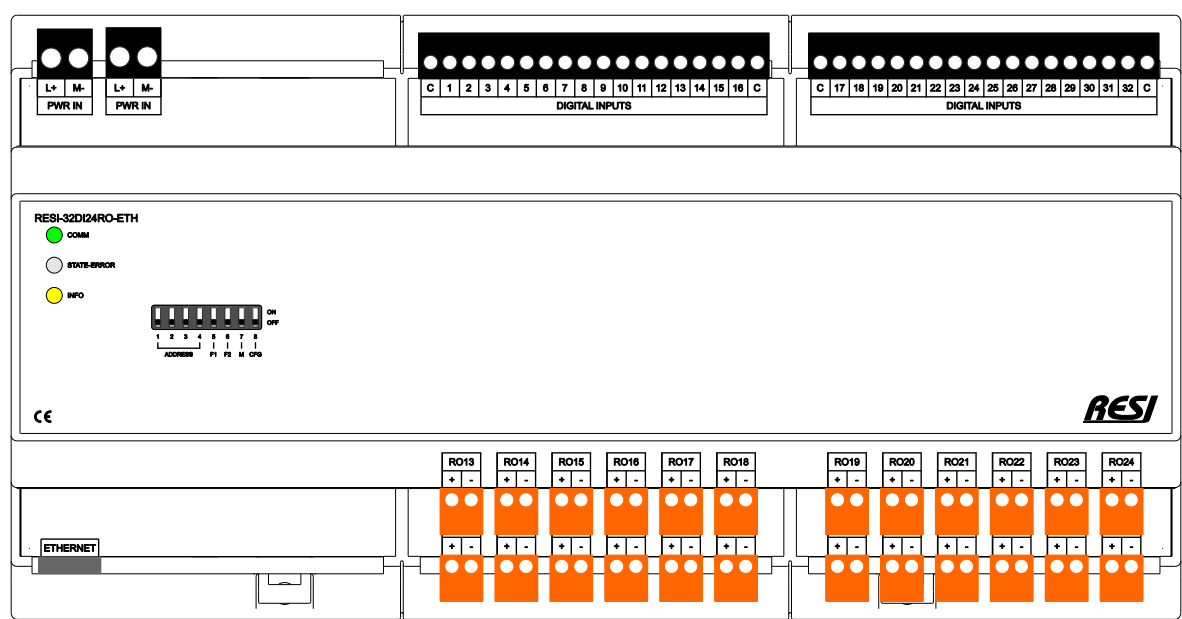


|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                          |                               |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                     | LOGIC INPUT                   | 12...48V=<br>≤1.8mA                          |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                   | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 32 digital inputs for 12-48Vdc signals.<br>and 24 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common DC power supply.<br>All relay outputs are separated with its own root contact. |                               |                                              |

# RESI-32DI24RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals.



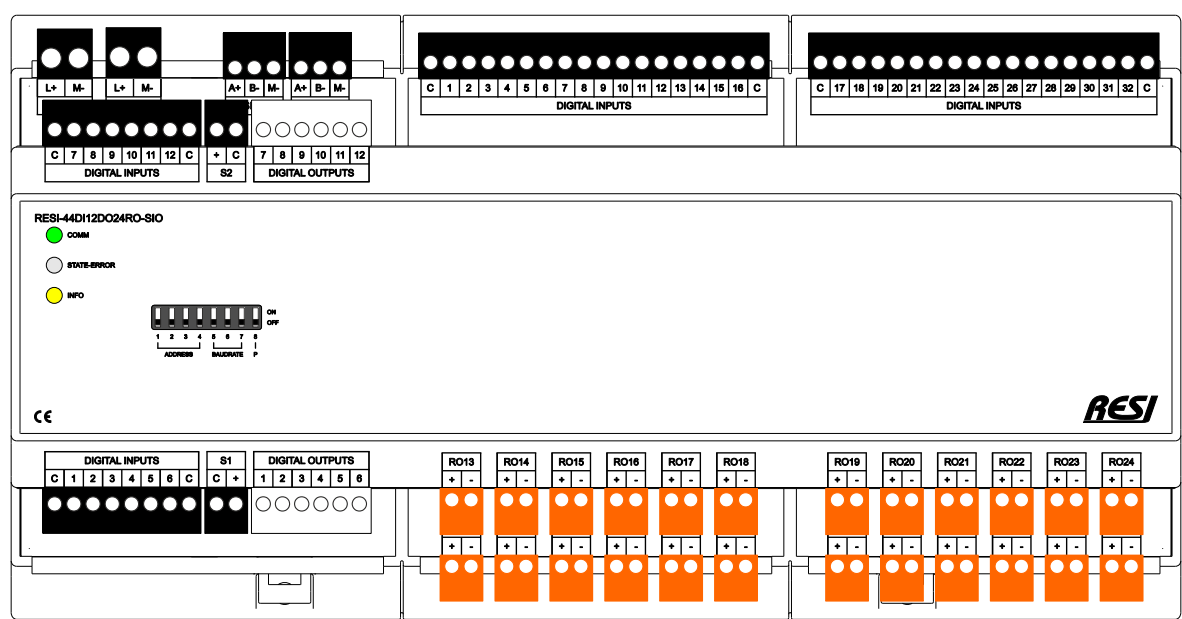
|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                                                                                                                                                                                                                                                                          |                               |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                     | LOGIC INPUT                   | 12...48V=<br>≤1.8mA                          |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                   | RELAY OUTPUT<br>Form A relays | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 32 digital inputs for 12-48Vdc signals.<br>and 24 relay outputs for switching AC or DC signals.<br>All inputs use same common contact for a common DC power supply.<br>All relay outputs are separated with its own root contact. |                               |                                              |



# RESI-44DI12DO24RO-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 44 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals  $\leq 30V=$  and 24 Form A relay outputs for AC/DC signals.



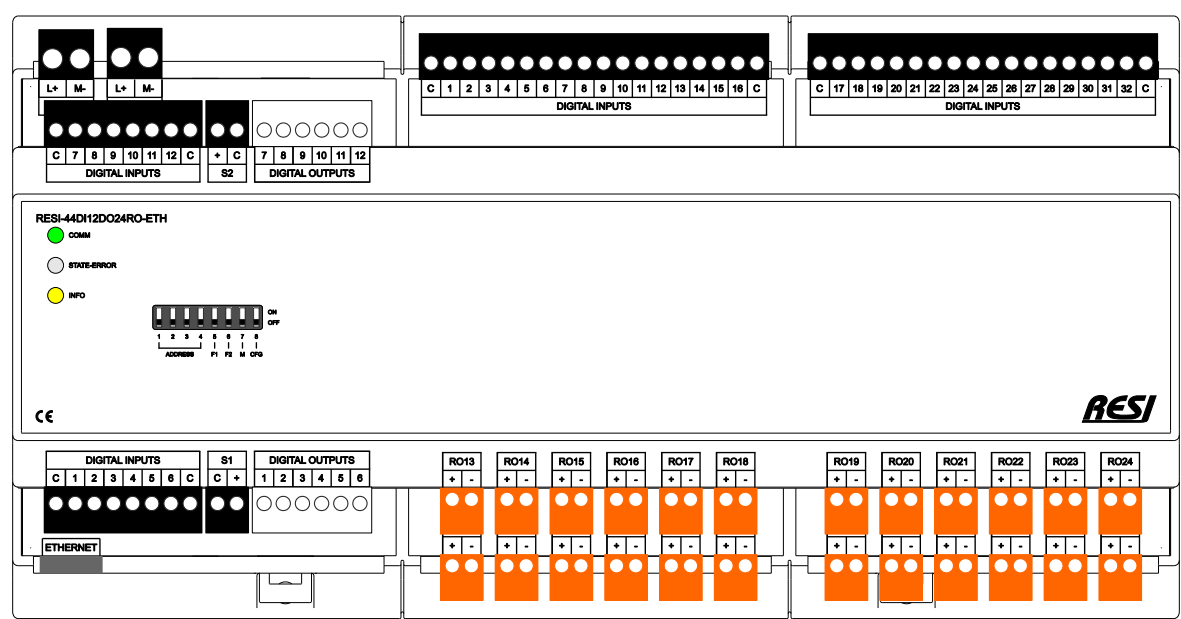
|                                         |                             |       |                      |                         |          |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|----------|--|

|                        |                                                                                                                                                                                                        |                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 44<br>Digital Inputs   | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>$\leq 1.8mA$                                         |
| 12<br>Digital Outputs  | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$                                       |
| 24<br>Relay<br>Outputs | RELAY OUTPUT<br>Form A relays                                                                                                                                                                          | $\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 44 digital inputs for 12-48Vdc signals and 12 digital outputs for  $\leq 30Vdc$  signals and 24 relay outputs for switching AC or DC signals.  
All inputs use same common contact for a common DC power supply.  
All relay outputs are separated with its own root contact. Each group of 6 outputs has its own power supply connector. Each output group detects power supply, overheat or short cut error.  
All outputs are galvanic-ally insulated from the rest of the module.

# RESI-44DI12DO24RO-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 44 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals  $\leq 30V=$  and 24 Form A relay outputs for AC/DC signals.



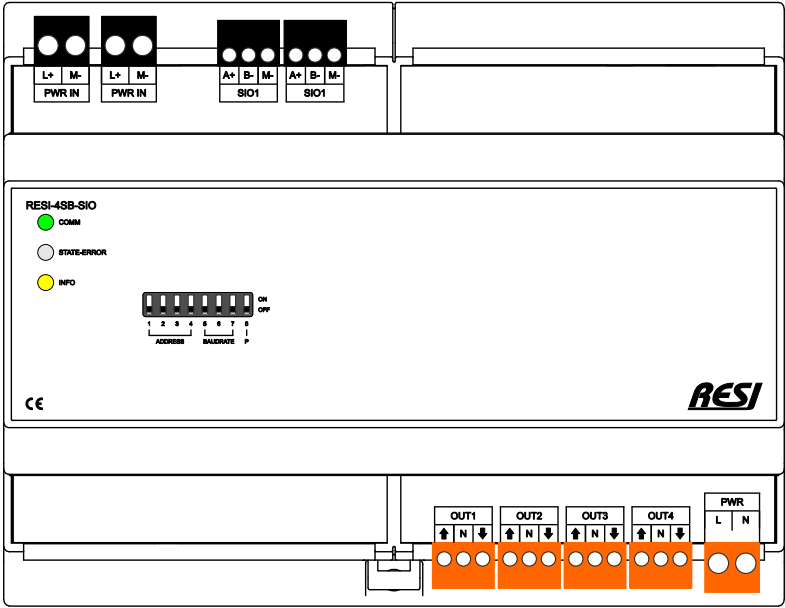
|                                         |                             |          |                      |                         |          |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 24xFormA |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|----------|--|

|                        |                                                                                                                                                                                                        |                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 44<br>Digital Inputs   | LOGIC INPUT                                                                                                                                                                                            | 12...48V=<br>$\leq 1.8mA$                                         |
| 12<br>Digital Outputs  | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | $\leq 30V=$<br>$\leq 700mA$                                       |
| 24<br>Relay<br>Outputs | RELAY OUTPUT<br>Form A relays                                                                                                                                                                          | $\leq 30V=$<br>$\leq 250V\sim$<br>$\leq 6A$<br>AgSnO <sub>2</sub> |

**Functionality**  
IO module with 44 digital inputs for 12-48Vdc signals and 12 digital outputs for  $\leq 30Vdc$  signals and 24 relay outputs for switching AC or DC signals.  
All inputs use same common contact for a common DC power supply.  
All relay outputs are separated with its own root contact. Each group of 6 outputs has its own power supply connector. Each output group detects power supply, overheat or short cut error.  
All outputs are galvanic-ally insulated from the rest of the module.

# RESI-4SB-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 4 shades or blinds.

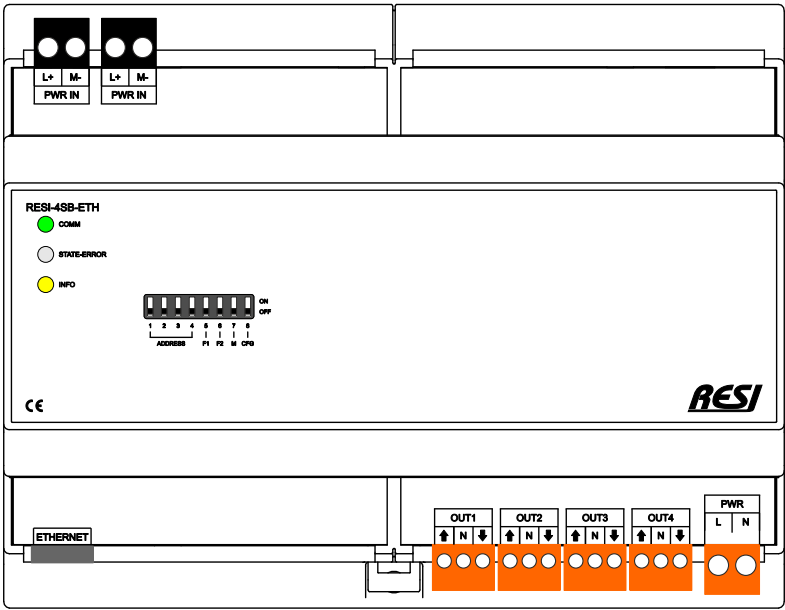


|                                         |                             |       |                     |                         |                                      |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|--------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|--------------------------------------|--|

|                                                                                                                                                                                     |                                                          |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 8<br>Relay<br>Outputs                                                                                                                                                               | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 relay outputs for time driven control of<br>4 shades or blinds with AC or DC engines.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-4SB-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 4 shades or blinds.

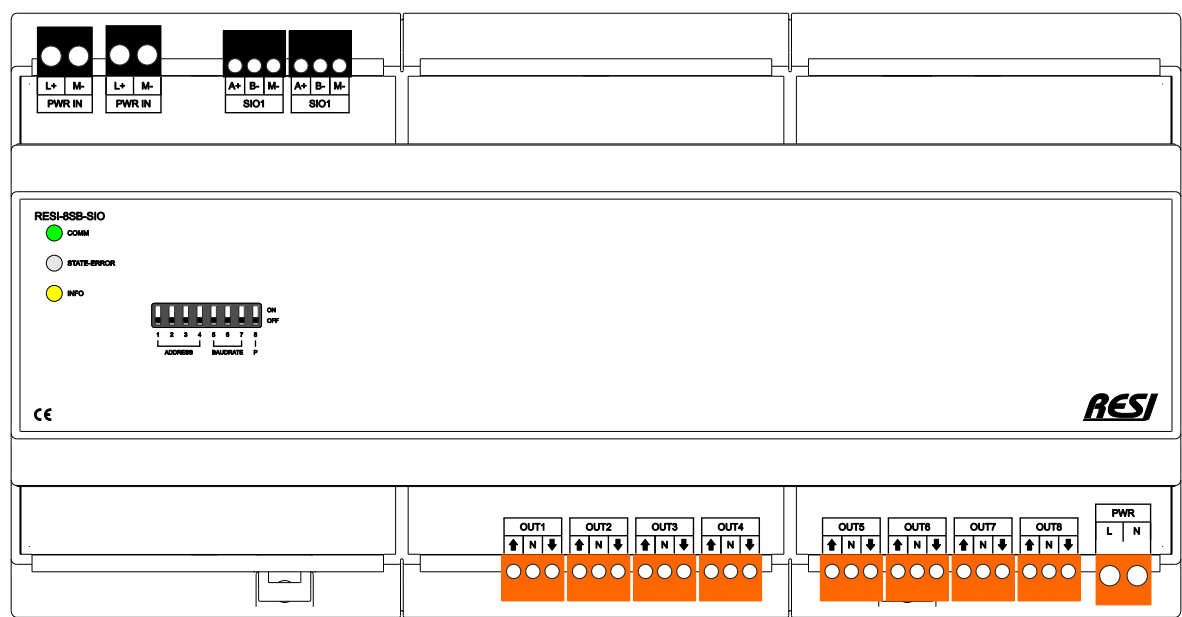


|                                         |                             |          |                     |                         |                                      |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|--------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|--------------------------------------|--|

|                                                                                                                                                                                     |                                                          |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 8<br>Relay<br>Outputs                                                                                                                                                               | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 8 relay outputs for time driven control of<br>4 shades or blinds with AC or DC engines.<br>All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-8SB-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 8 shades or blinds.

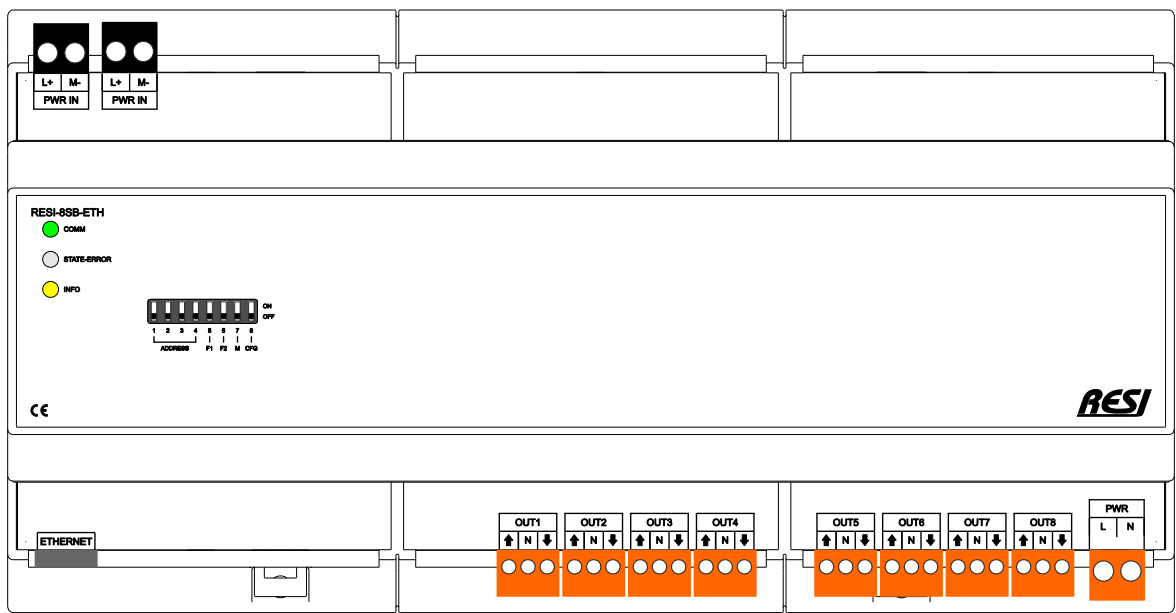


|                                         |                             |       |                      |                         |                                       |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|---------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|---------------------------------------|--|

|                                                                                                                                                                                    |                                                          |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 16<br>Relay<br>Outputs                                                                                                                                                             | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 16 relay outputs for time driven control of 8 shades or blinds with AC or DC engines.<br>All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-8SB-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 8 shades or blinds.

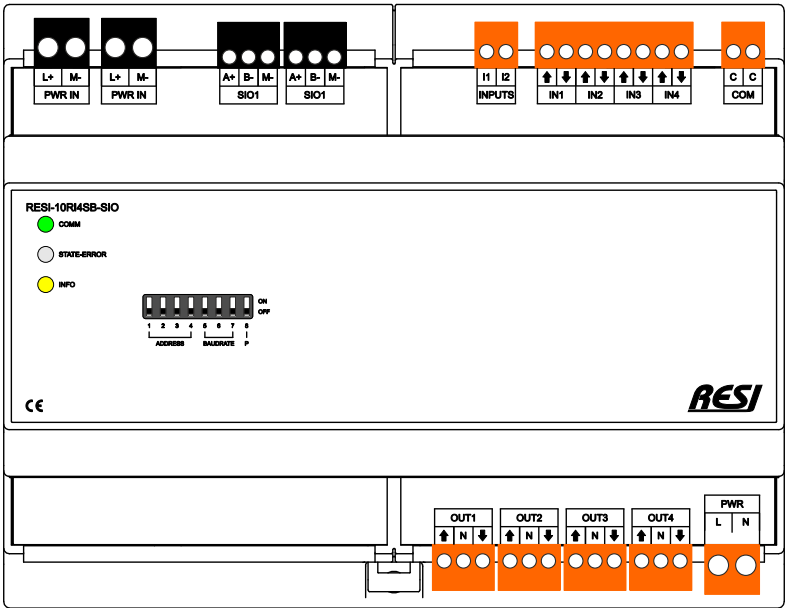


|                                         |                             |          |                      |                         |                                       |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|---------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|---------------------------------------|--|

|                                                                                                                                                                                    |                                                          |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 16<br>Relay<br>Outputs                                                                                                                                                             | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 16 relay outputs for time driven control of 8 shades or blinds with AC or DC engines.<br>All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-10RI4SB-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 10 digital inputs for AC or DC signals 12-250V~ = and 8 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 4 shades or blinds.

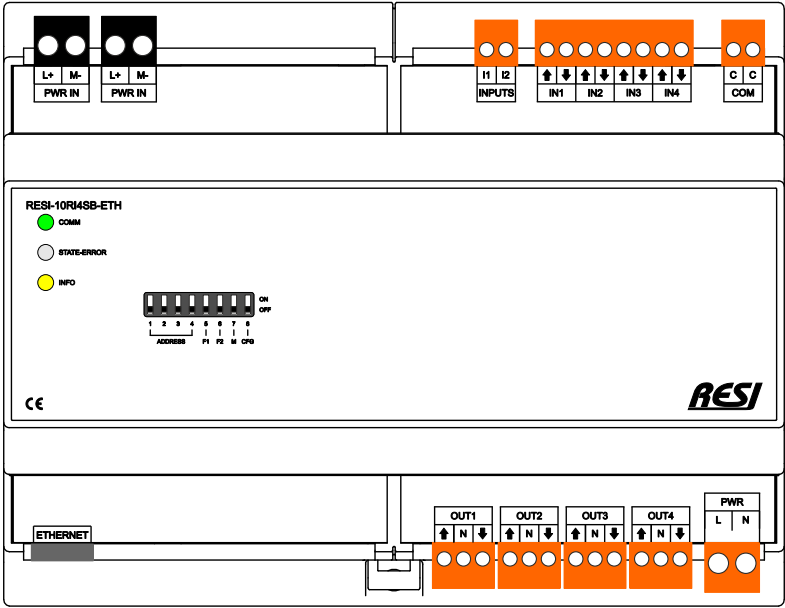


|                                         |                             |       |                     |                         |                                      |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|--------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|--------------------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 10<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                           | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 8<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                          | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 10 digital inputs for 12-250Vac/dc signals and 8 relay outputs for time driven control of 4 shades or blinds with AC or DC engines. All inputs use same common contact for a common AC or DC power supply. All inputs are galvanic-ally insulated from the rest of the module. All 8 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-10RI4SB-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 10 digital inputs for AC or DC signals 12-250V~ = and 8 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 4 shades or blinds.



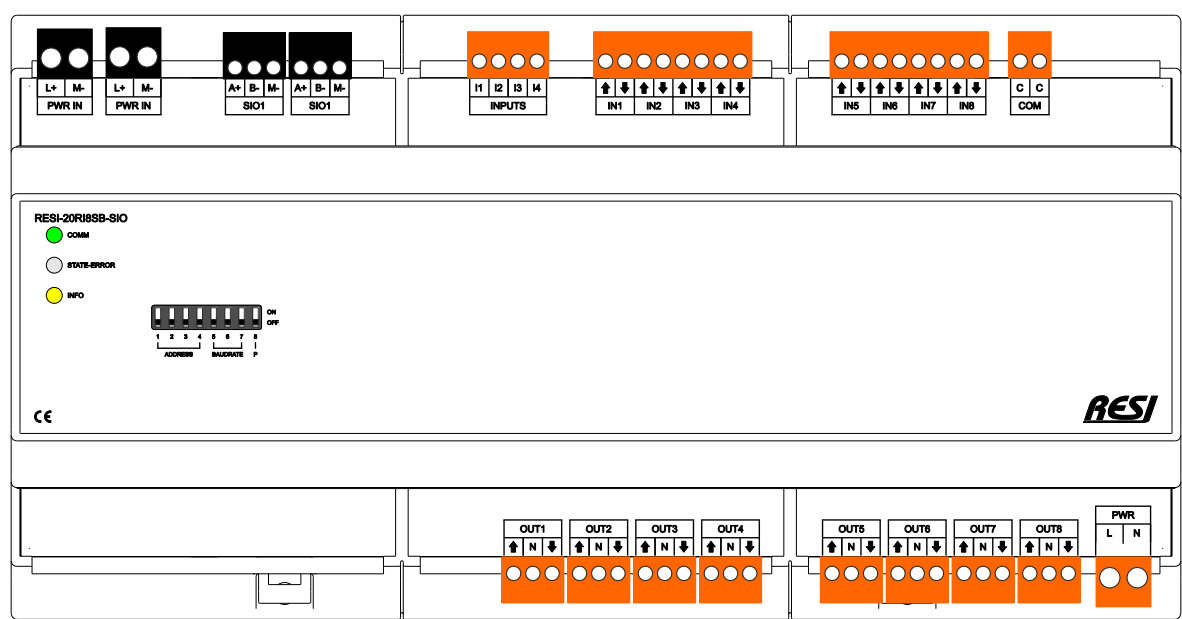
|                                         |                             |          |                     |                         |                                      |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|--------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|--------------------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 10<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                           | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 8<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                          | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 10 digital inputs for 12-250Vac/dc signals and 8 relay outputs for time driven control of 4 shades or blinds with AC or DC engines. All inputs use same common contact for a common AC or DC power supply. All inputs are galvanic-ally insulated from the rest of the module. All 8 relay outputs have a common power supply terminal. |                                                          |                                              |



# RESI-20RI8SB-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 20 digital inputs for AC or DC signals 12-250V~ = and 16 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 8 shades or blinds.

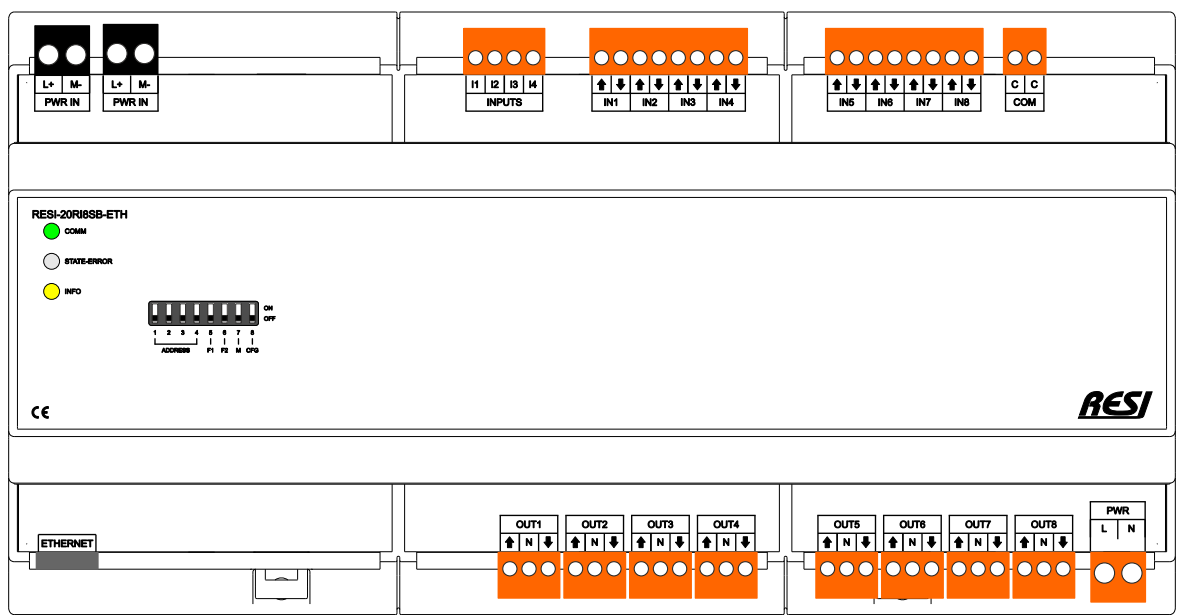


|                                         |                             |       |                      |                         |                                       |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|---------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|-------|----------------------|-------------------------|---------------------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 20<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                             | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 16<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                           | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| <b>Functionality</b><br>IO module with 20 digital inputs for 12-250Vac/dc signals and 16 relay outputs for time driven control of 8 shades or blinds with AC or DC engines. All inputs use same common contact for a common AC or DC power supply. All inputs are galvanic-ally insulated from the rest of the module. All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-20RI8SB-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 20 digital inputs for AC or DC signals 12-250V~ = and 16 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 8 shades or blinds.

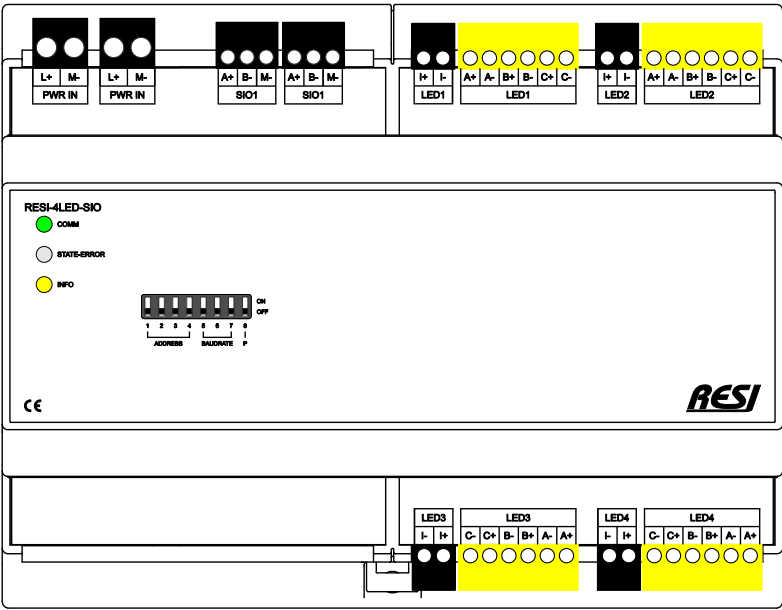
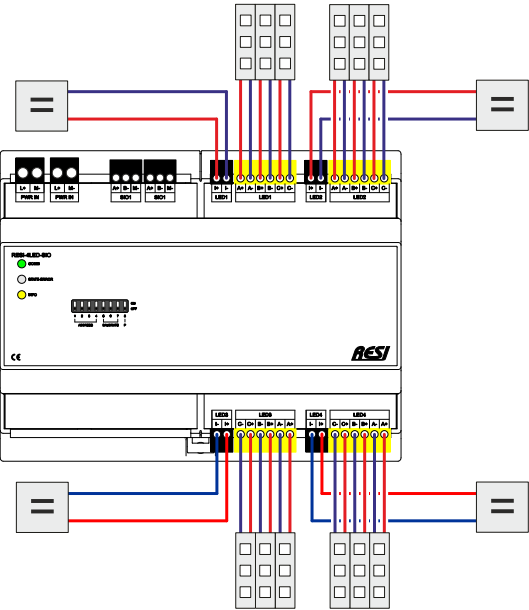


|                                         |                             |          |                      |                         |                                       |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|---------------------------------------|--|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT12<br>213x110x62mm | 12-48V=<br>Power supply | 16xFormA<br>shades & blind<br>control |  |
|-----------------------------------------|-----------------------------|----------|----------------------|-------------------------|---------------------------------------|--|

|                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 20<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                      | LOGIC INPUT<br>All inputs use same power supply          | 12...250V~=<br>≤1.8mA                        |
| 16<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                    | RELAY OUTPUT<br>Form A relays<br>with common supply+root | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| Functionality<br>IO module with 20 digital inputs for 12-250Vac/dc signals and 16 relay outputs for time driven control of 8 shades or blinds with AC or DC engines. All inputs use same common contact for a common AC or DC power supply. All inputs are galvanic-ally insulated from the rest of the module. All 16 relay outputs have a common power supply terminal. |                                                          |                                              |

# RESI-4LED-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module is a 12 channel PWM dimmer module for LED stripes with constant voltage and common anode organized in 4 groups with own DC power supplies for every group  $\leq 60V=$   $\leq 15A$ .

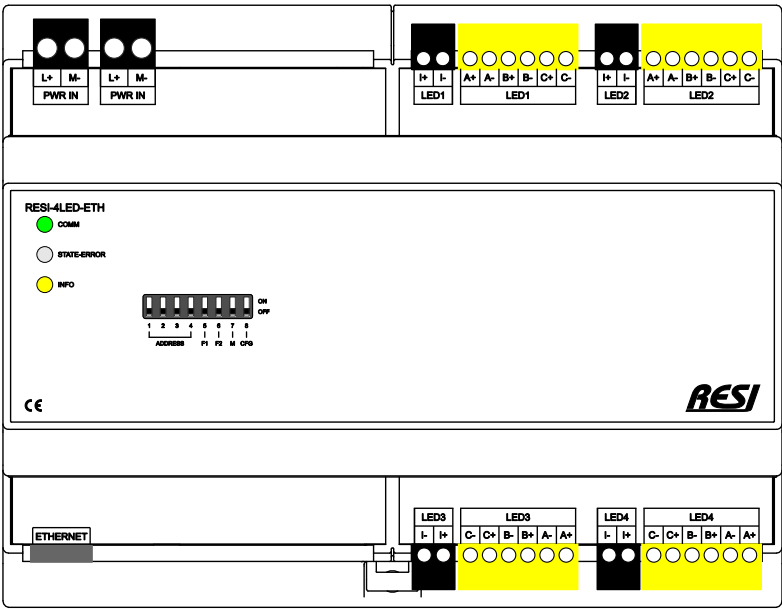
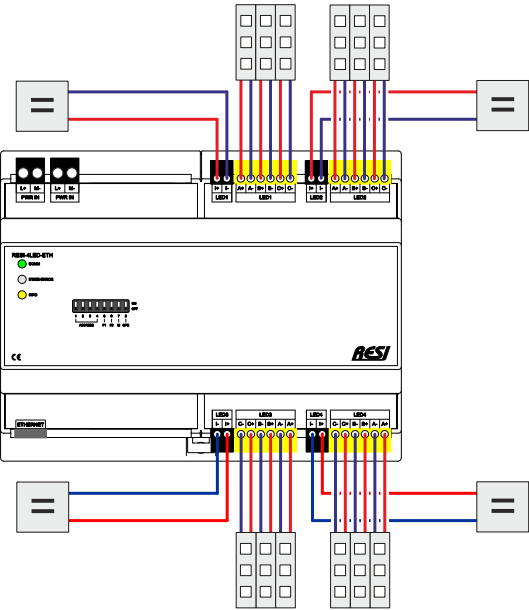


|                                         |                             |       |                     |                         |                           |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xPWM<br>for LED Stripes |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|---------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|
| 12<br>PWM Outputs                                                                                                                                                                                                                                                                                                                                                                                                              | PWM OUTPUT<br>for LED Stripes organized in 4 groups<br>with 3 PWM dimmer each | $\leq 60V=$<br>$\leq 5A/channel$ |
| <b>Functionality</b><br>IO module with 12 PWM outputs for dimming LED stripes with constant voltage and common anode. The IO module offers 4 groups with 3 PWM dimmer outputs each. Module is designed to use RGB, dual white or mono colour LED stripes. Each PWM output channel can drive 5A maximum current. External power supply for LED stripes (e.g. 12V= or 24V=) $\leq 60V=$ and $\leq 15A$ for each group necessary. |                                                                               |                                  |

# RESI-4LED-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module is a 12 channel PWM dimmer module for LED stripes with constant voltage and common anode organized in 4 groups with own DC power supplies for every group  $\leq 60V=$   $\leq 15A$ .

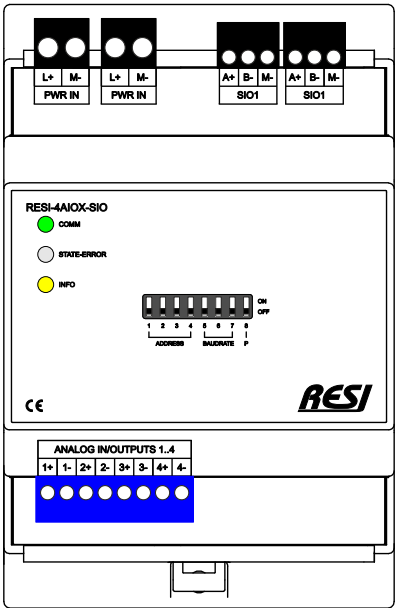


|                                         |                             |          |                     |                         |                           |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|---------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xPWM<br>for LED Stripes |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|---------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|
| 12<br>PWM Outputs                                                                                                                                                                                                                                                                                                                                                                                                              | PWM OUTPUT<br>for LED Stripes organized in 4 groups<br>with 3 PWM dimmer each | $\leq 60V=$<br>$\leq 5A/channel$ |
| <b>Functionality</b><br>IO module with 12 PWM outputs for dimming LED stripes with constant voltage and common anode. The IO module offers 4 groups with 3 PWM dimmer outputs each. Module is designed to use RGB, dual white or mono colour LED stripes. Each PWM output channel can drive 5A maximum current. External power supply for LED stripes (e.g. 12V= or 24V=) $\leq 60V=$ and $\leq 15A$ for each group necessary. |                                                                               |                                  |

# RESI-4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

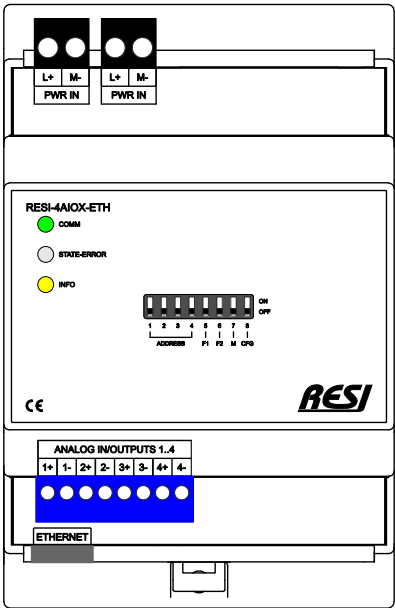


|                                         |                             |          |                    |                         |                                            |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 8xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                                   |                                                                                                                              |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                  | <b>ANALOG INPUT</b><br>0/2...10V or 0/4...20mA                                                                               | <b>±0.2%</b><br>16 Bit                                             |
|                                                                                                                                                                                                                                                                   | <b>ANALOG OUTPUT</b><br>0/2...10V or 0/4...20mA                                                                              | <b>±0.3%</b><br>13 Bit                                             |
|                                                                                                                                                                                                                                                                   | <b>RTD Sensor Input</b><br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                                   | <b>LOGIC INPUT or<br/>DRY CONTACT</b>                                                                                        | <b>≤40V ≤1.8mA</b><br><b>0.5...24.5mA</b>                          |
| <b>Functionality</b><br>IO module with 4 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                              |                                                                    |

# RESI-4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

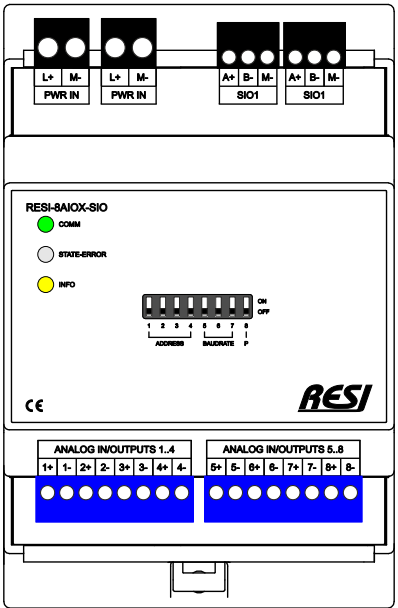


|                                         |                             |          |                    |                         |                                            |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 8xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                                   |                                                                                                                              |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                  | <b>ANALOG INPUT</b><br>0/2...10V or 0/4...20mA                                                                               | <b>±0.2%</b><br>16 Bit                                             |
|                                                                                                                                                                                                                                                                   | <b>ANALOG OUTPUT</b><br>0/2...10V or 0/4...20mA                                                                              | <b>±0.3%</b><br>13 Bit                                             |
|                                                                                                                                                                                                                                                                   | <b>RTD Sensor Input</b><br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                                   | <b>LOGIC INPUT or<br/>DRY CONTACT</b>                                                                                        | <b>≤40V ≤1.8mA</b><br><b>0.5...24.5mA</b>                          |
| <b>Functionality</b><br>IO module with 4 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                              |                                                                    |

# RESI-8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

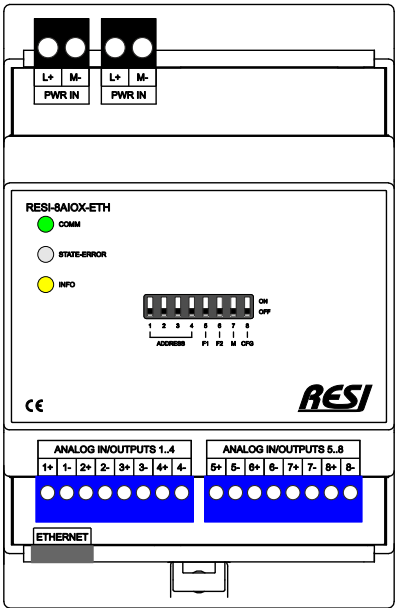


|                                         |                             |          |                    |                         |                                            |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 8xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                            |                                                                                                                       |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA                                                                               | ±0.2%<br>16 Bit                                                    |
|                                                                                                                                                                                                                                                            | ANALOG OUTPUT<br>0/2...10V or 0/4...20mA                                                                              | ±0.3%<br>13 Bit                                                    |
|                                                                                                                                                                                                                                                            | RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                            | LOGIC INPUT or<br>DRY CONTACT                                                                                         | ≤40V ≤1.8mA<br>0.5...24.5mA                                        |
| Functionality<br>IO module with 8 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                       |                                                                    |

# RESI-8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 universal inputs or outputs for analogue or digital signals or RTD sensors.



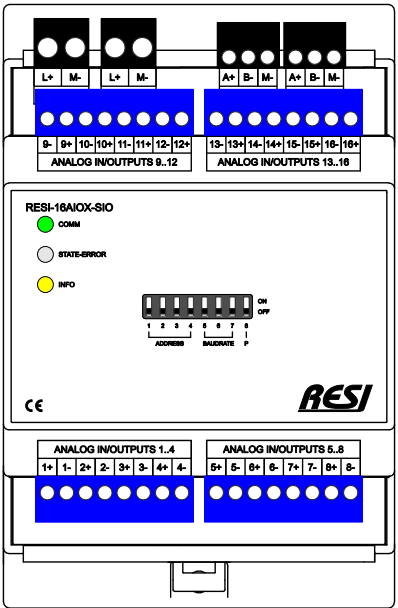
|                                         |                             |          |                    |                         |                                            |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 8xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                            |                                                                                                                       |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 8<br>Universal<br>Channels                                                                                                                                                                                                                                 | ANALOG INPUT<br>0/2...10V or 0/4...20mA                                                                               | ±0.2%<br>16 Bit                                                    |
| Analogue Input<br>or<br>Analogue Output                                                                                                                                                                                                                    | ANALOG OUTPUT<br>0/2...10V or 0/4...20mA                                                                              | ±0.3%<br>13 Bit                                                    |
| RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                          | RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                            | LOGIC INPUT or<br>DRY CONTACT                                                                                         | ≤40V ≤1.8mA<br>0.5...24.5mA                                        |
| Functionality<br>IO module with 8 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                       |                                                                    |



# RESI-16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS232 or RS485 interface.  
The IO module offers 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

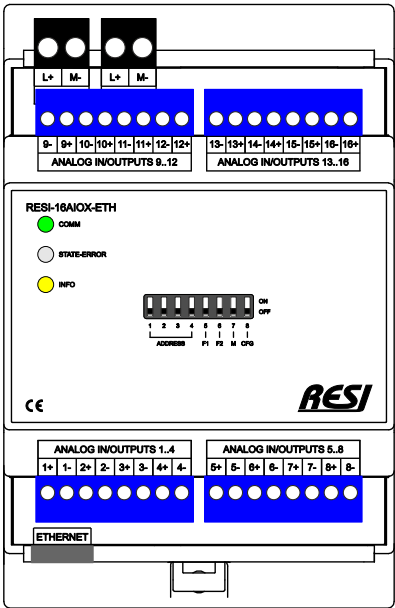


|                                         |                             |          |                    |                         |                                             |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|---------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 16xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|---------------------------------------------|

|                                                                                                                                                                                                                                                             |                                                                                                                       |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA                                                                               | ±0.2%<br>16 Bit                                                    |
|                                                                                                                                                                                                                                                             | ANALOG OUTPUT<br>0/2...10V or 0/4...20mA                                                                              | ±0.3%<br>13 Bit                                                    |
|                                                                                                                                                                                                                                                             | RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                             | LOGIC INPUT or<br>DRY CONTACT                                                                                         | ≤40V ≤1.8mA<br>0.5...24.5mA                                        |
| Functionality<br>IO module with 16 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                       |                                                                    |

# RESI-16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

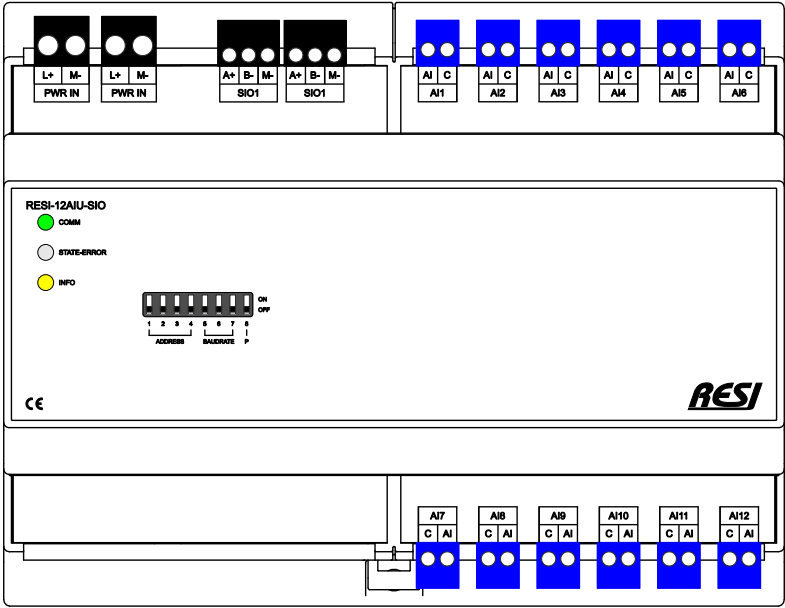


|                                         |                             |          |                    |                         |                                             |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|---------------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT4<br>72x110x62mm | 12-48V=<br>Power supply | 16xAI/AO/RTD/DI<br>0-10V, 0-20mA<br>RTD, DI |
|-----------------------------------------|-----------------------------|----------|--------------------|-------------------------|---------------------------------------------|

|                                                                                                                                                                                                                                                             |                                                                                                                       |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA                                                                               | ±0.2%<br>16 Bit                                                    |
|                                                                                                                                                                                                                                                             | ANALOG OUTPUT<br>0/2...10V or 0/4...20mA                                                                              | ±0.3%<br>13 Bit                                                    |
|                                                                                                                                                                                                                                                             | RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ | 0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit |
|                                                                                                                                                                                                                                                             | LOGIC INPUT or<br>DRY CONTACT                                                                                         | ≤40V ≤1.8mA<br>0.5...24.5mA                                        |
| Functionality<br>IO module with 16 universal inputs or outputs.<br>Each channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                       |                                                                    |

# RESI-12AIU-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 independent analog inputs for DC signals in the range of -10V....+10V.

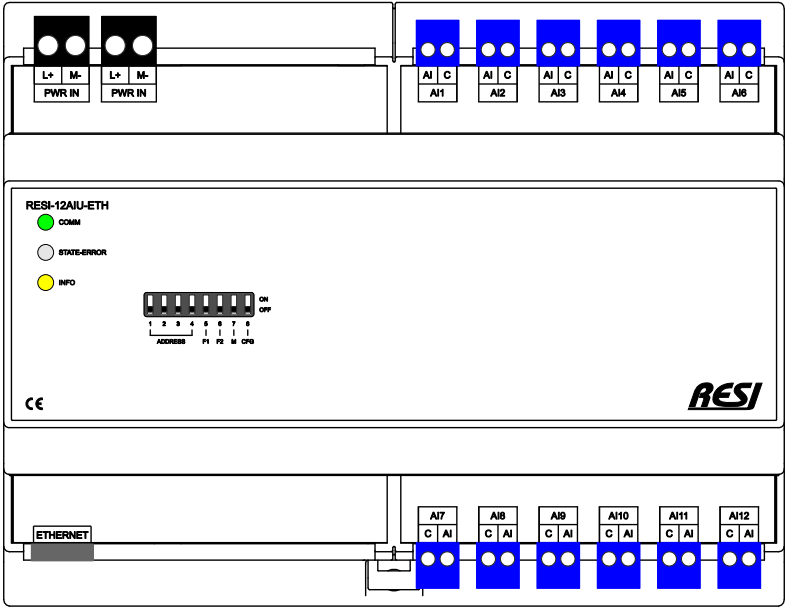


|                                         |                             |       |                     |                         |                      |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xAI<br>-10...+10V= |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------|

|                                                                                                                                                                                             |                                     |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------|
| 12<br>Analog Inputs                                                                                                                                                                         | ANALOG INPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>16bit |
| <b>Functionality</b><br>IO module with 12 analogue inputs for DC signals.<br>Input signal in the range of -10V and +10V.<br><br>Input group is galvanic-ally insulated from rest of module. |                                     |                                              |

# RESI-12AIU-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 12 independent analog inputs for DC signals in the range of -10V....+10V.

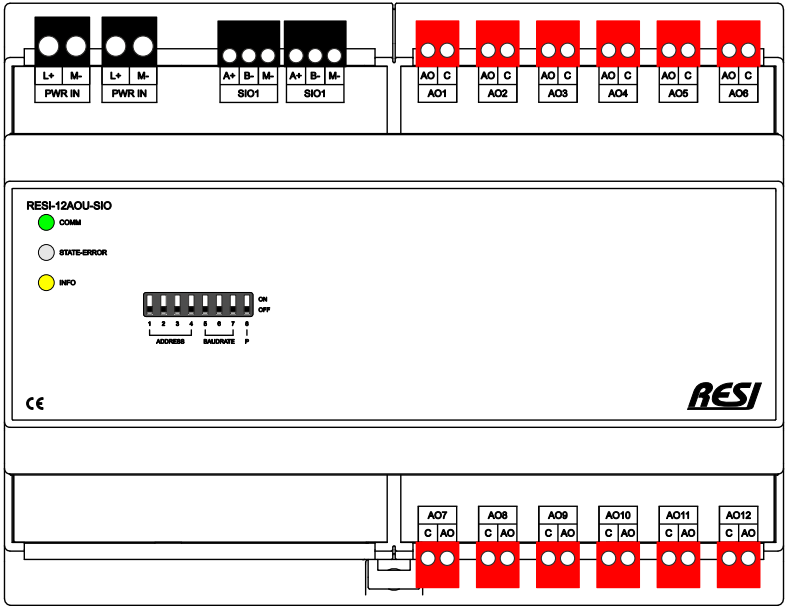


|                                         |                             |          |                     |                         |                      |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xAI<br>-10...+10V= |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------|

|                                                                                                                                                                                             |                                     |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------|
| 12<br>Analog Inputs                                                                                                                                                                         | ANALOG INPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>16bit |
| <b>Functionality</b><br>IO module with 12 analogue inputs for DC signals.<br>Input signal in the range of -10V and +10V.<br><br>Input group is galvanic-ally insulated from rest of module. |                                     |                                              |

# RESI-12AOU-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 12 independent analog outputs for DC signals in the range of -10V....+10V.

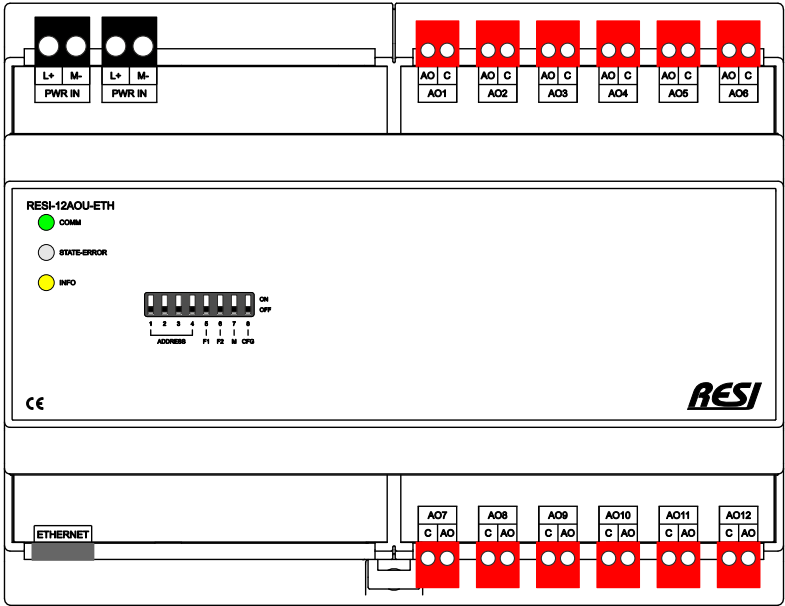


|                                         |                             |       |                     |                         |                      |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xAO<br>-10...+10V= |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|----------------------|

|                                                                                                                                                                                                |                                      |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|
| 12<br>Analog Outputs                                                                                                                                                                           | ANALOG OUTPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>12bit |
| <b>Functionality</b><br>IO module with 12 analogue outputs for DC signals.<br>Output signal in the range of -10V and +10V.<br><br>Output group is galvanic-ally insulated from rest of module. |                                      |                                              |

# RESI-12AOU-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 12 independent analog outputs for DC signals in the range of -10V....+10V.

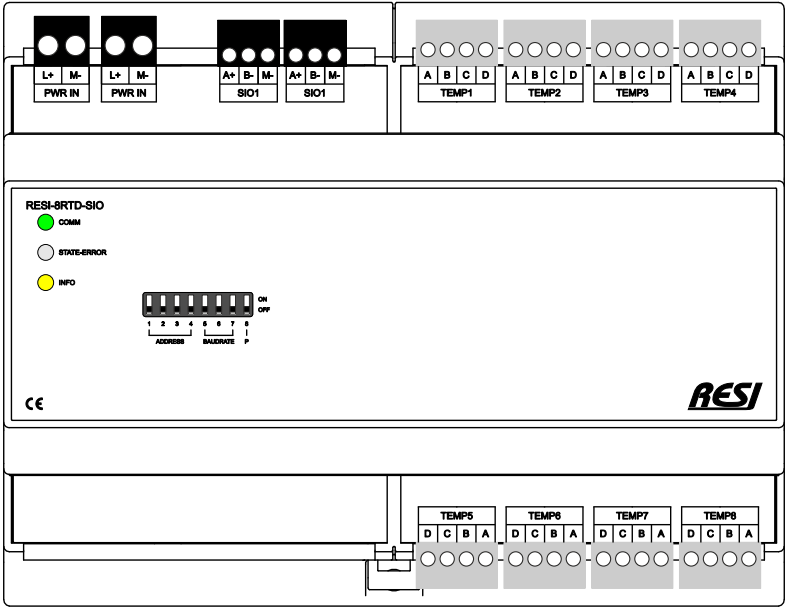


|                                         |                             |          |                     |                         |                      |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 12xAO<br>-10...+10V= |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|----------------------|

|                                                                                                                                                                                         |                                      |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|
| 12<br>Analog Outputs                                                                                                                                                                    | ANALOG OUTPUTS<br>galvanic insulated | 0...10V<br>-10V...+10V<br><br>±0.1%<br>12bit |
| Functionality<br>IO module with 12 analogue outputs for DC signals.<br>Output signal in the range of -10V and +10V.<br><br>Output group is galvanic-ally insulated from rest of module. |                                      |                                              |

# RESI-8RTD-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...

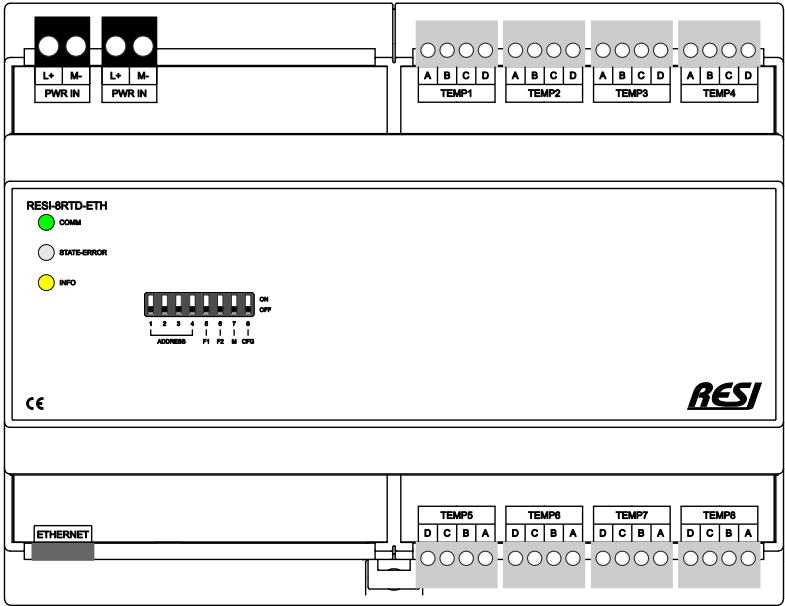


|                                         |                             |       |                     |                         |                                     |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xRTD<br>PT100,PT1000,NI1000<br>... |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------------------|

|                                                                                                                                                                                                                                                                                                                          |                                                                                              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 8<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                                                | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| Functionality<br>IO module with 8 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire, 3-wire or 4-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |

# RESI-8RTD-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...



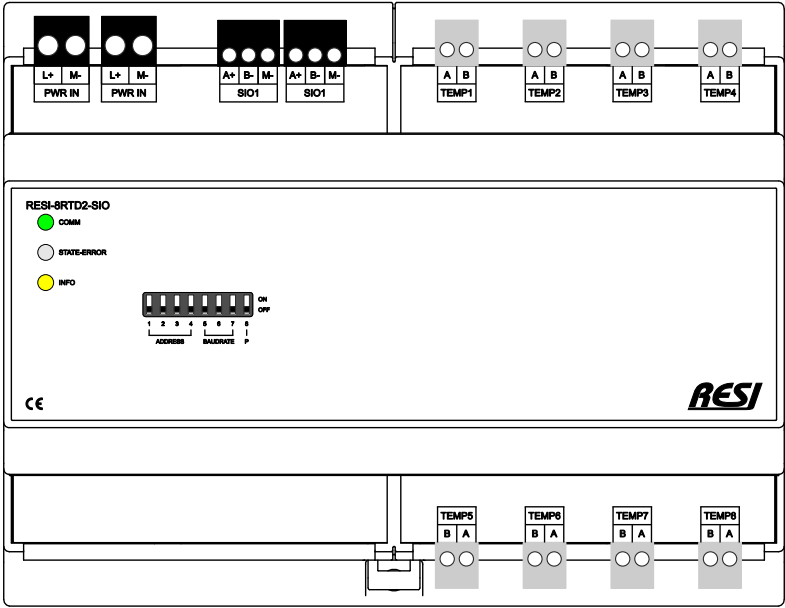
|                                         |                             |          |                     |                         |                                     |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xRTD<br>PT100,PT1000,NI1000<br>... |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------------------|

|                                                                                                                                                                                                                                                                                                                          |                                                                                              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 8<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                                                | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| Functionality<br>IO module with 8 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire, 3-wire or 4-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |



# RESI-8RTD2-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...

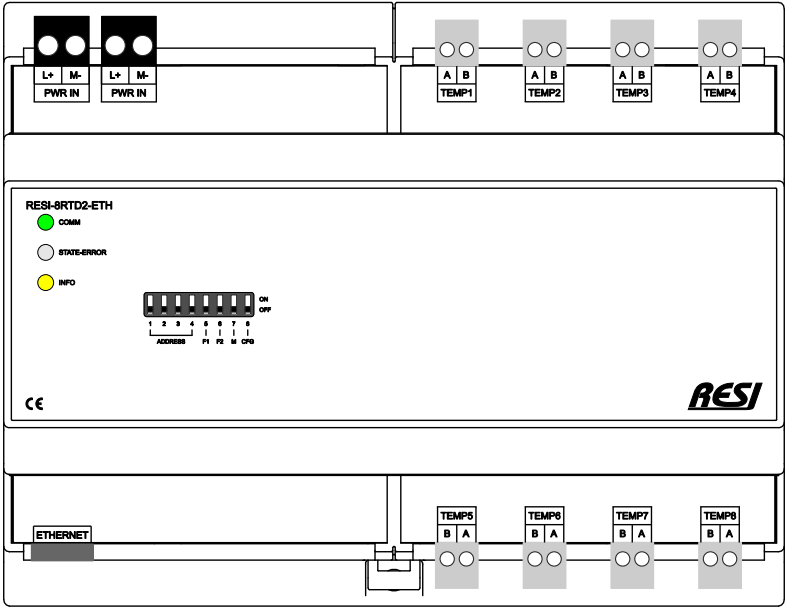


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|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xRTD<br>PT100,PT1000,NI1000<br>... |
|-----------------------------------------|-----------------------------|-------|---------------------|-------------------------|-------------------------------------|

|                                                                                                                                                                                                                                                                                                        |                                                                                              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 8<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                              | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| Functionality<br>IO module with 8 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |

# RESI-8RTD2-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...



|                                         |                             |          |                     |                         |                                     |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------------------|
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET | XT8<br>143x110x62mm | 12-48V=<br>Power supply | 8xRTD<br>PT100,PT1000,NI1000<br>... |
|-----------------------------------------|-----------------------------|----------|---------------------|-------------------------|-------------------------------------|

|                                                                                                                                                                                                                                                                                                               |                                                                                              |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|
| 8<br>RTD Sensor<br>Inputs                                                                                                                                                                                                                                                                                     | RTD SENSOR INPUTS<br><br>PT100<br>PT200<br>PT500<br>PT1000<br>NI120<br>NI1000-DI43760<br>OHM | ±0.1%<br>24bit |
| <b>Functionality</b><br>IO module with 8 RTD sensor inputs for RTD sensors.<br>Various RTD sensors can be used with the module.<br>2-wire sensor connection.<br>Each channel can be configured to different type of RTD sensor.<br><br>RTD sensor input group is galvanic-ally insulated from rest of module. |                                                                                              |                |

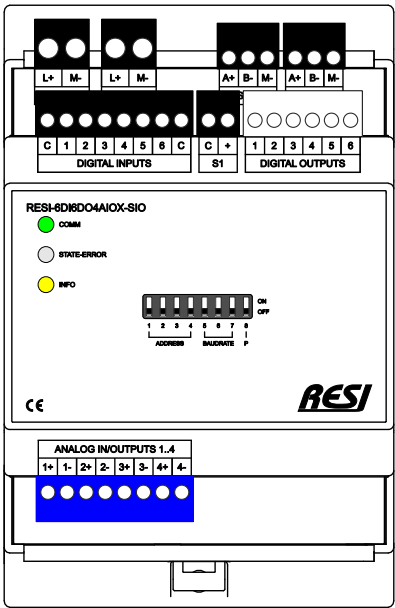
# COMBINED IOs

it's all about perfection



# RESI-6DI6DO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

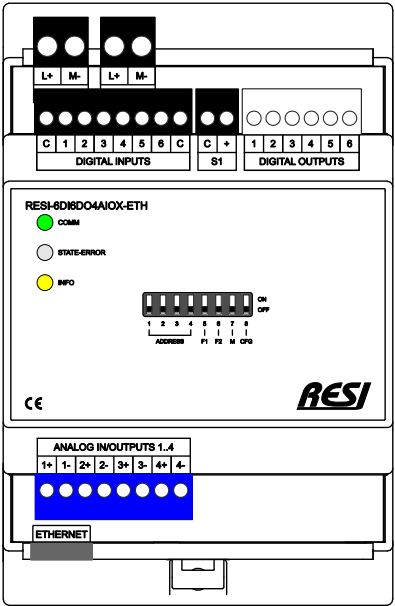


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                             | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT4<br>72x110x62mm                      | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-6DI6DO4AIOX-ETH

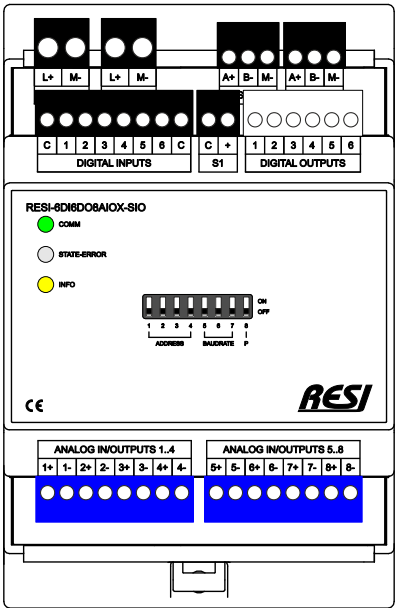
Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



|                                         |                             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------|-----------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                                         |                             |          | 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
|                                         |                             |          | 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                             | ≤30V=<br>≤700mA                                                                                                                             |
|                                         |                             |          | 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
|                                         |                             |          | Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |
| XT4<br>72x110x62mm                      | 12-48V=<br>Power supply     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |

# RESI-6DI6DO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

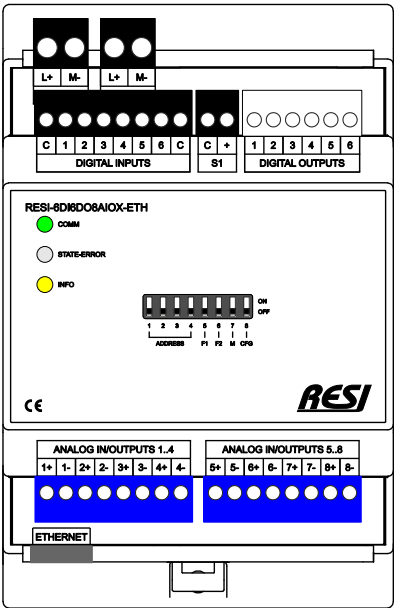


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                             | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                            | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT4<br>72x110x62mm                      | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-6DI6DO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

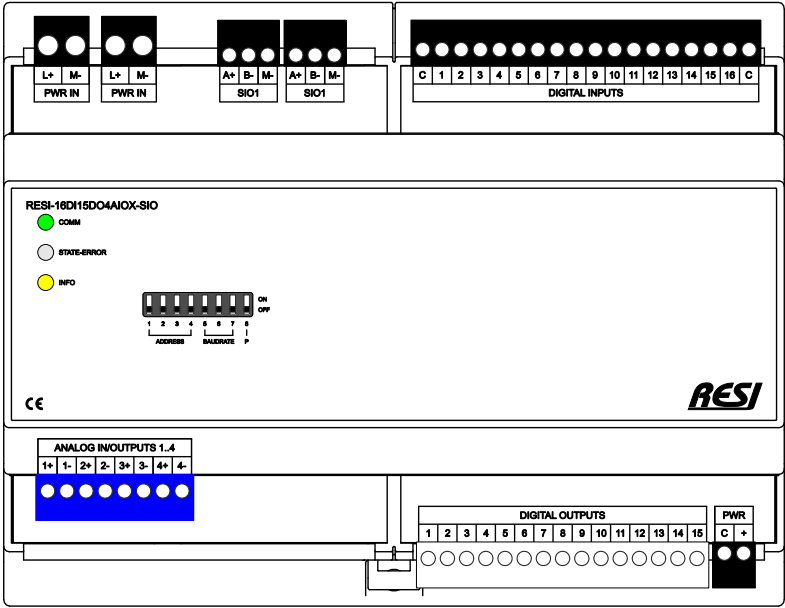


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                   |                                                                                                                                             |
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| 6<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                             | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                         | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT4<br>72x110x62mm                      | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-16DI15DO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



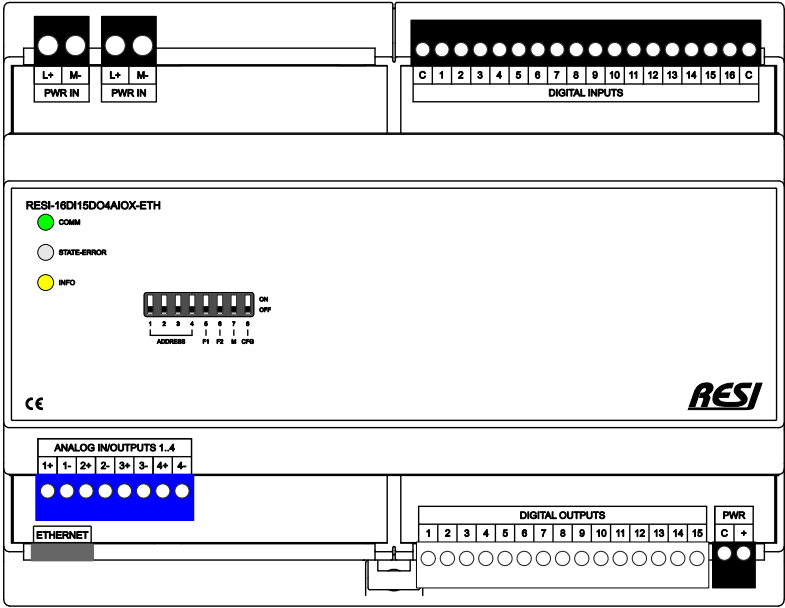
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |



# RESI-16DI15DO4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

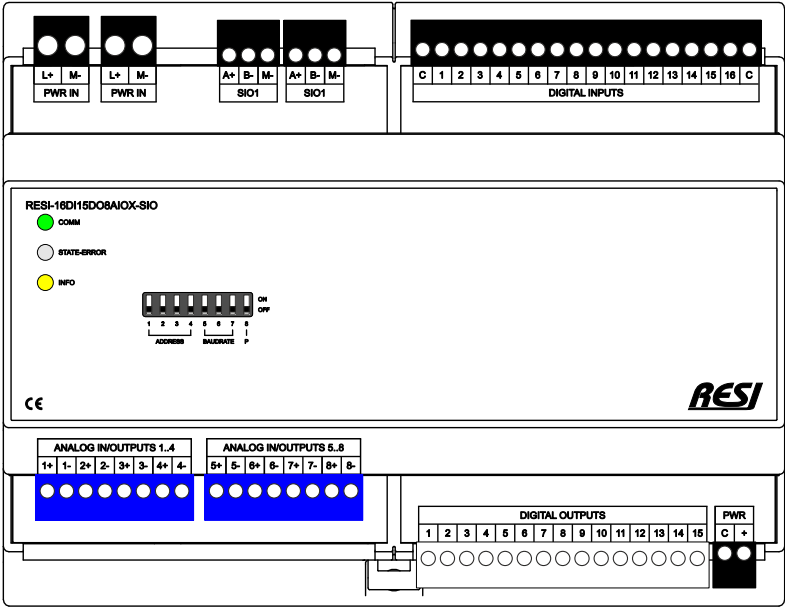


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-16DI15DO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

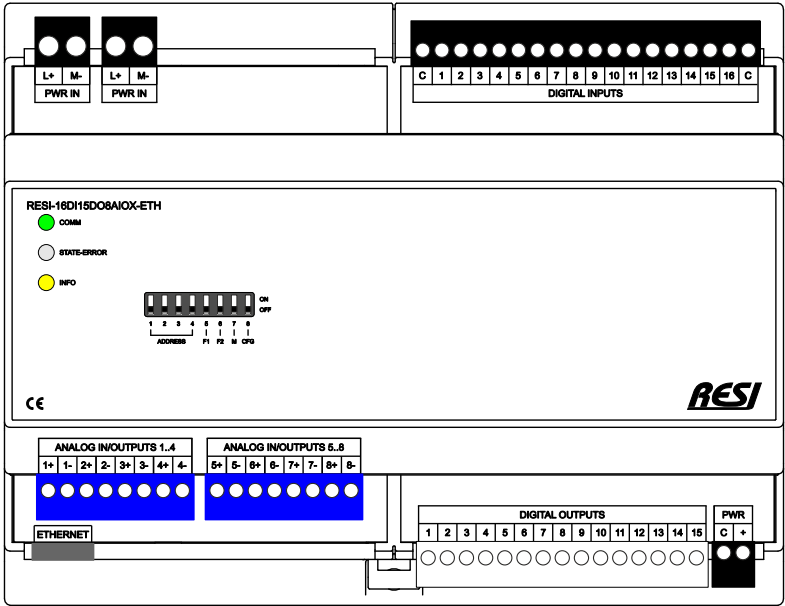


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                              | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or<br>DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-16DI15DO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

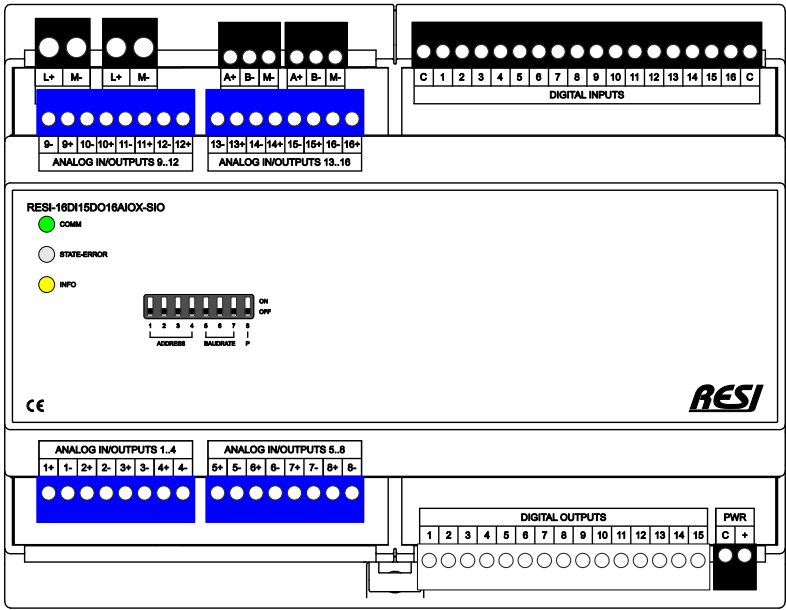


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
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| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-16DI15DO16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

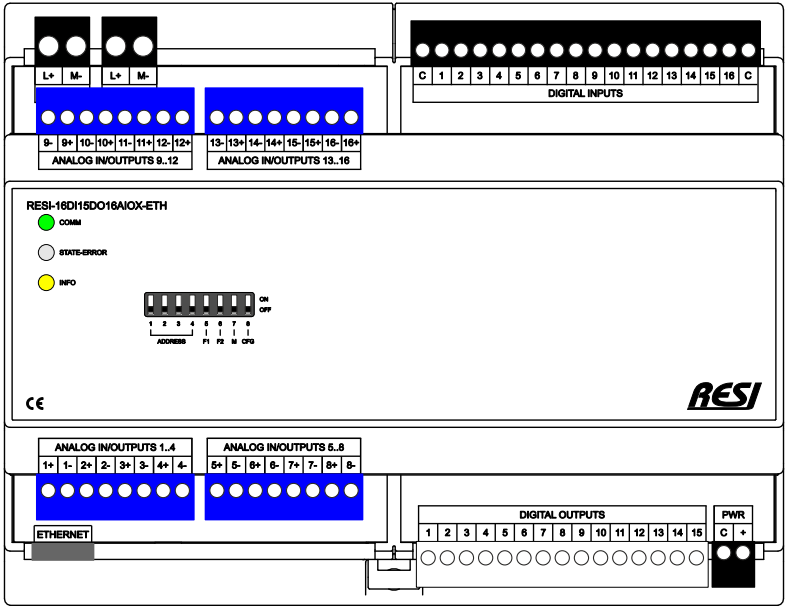


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                   |                                                                                                                                             |
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| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-16DI15DO16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

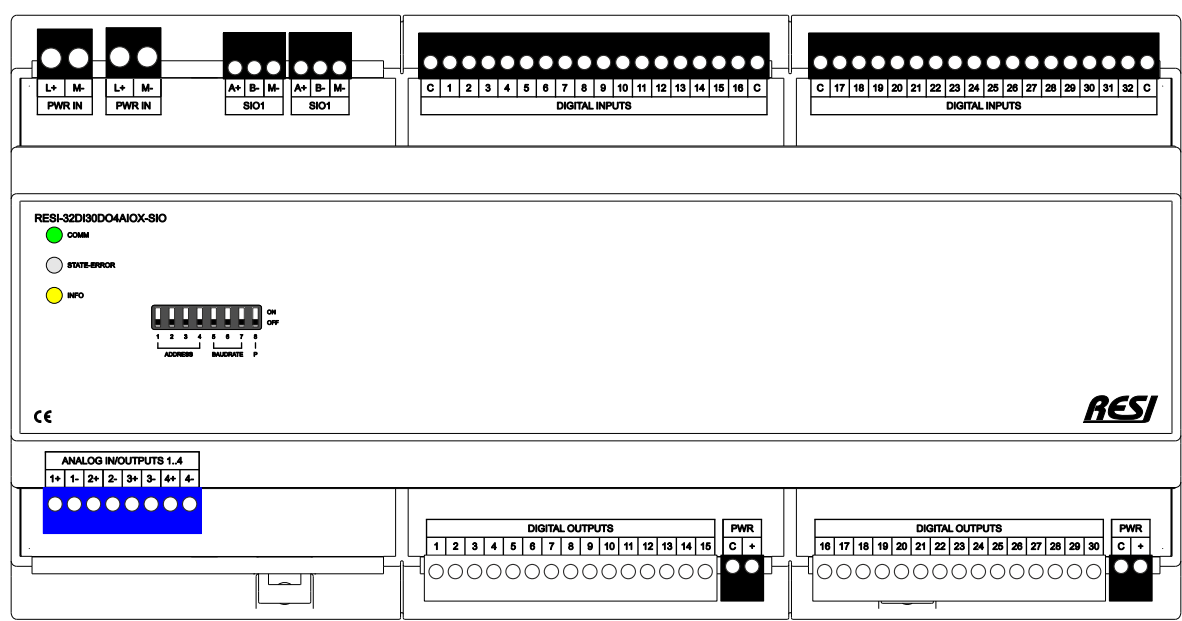


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| 16<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 15<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                            | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT8<br>143x110x62mm                     | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI30DO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

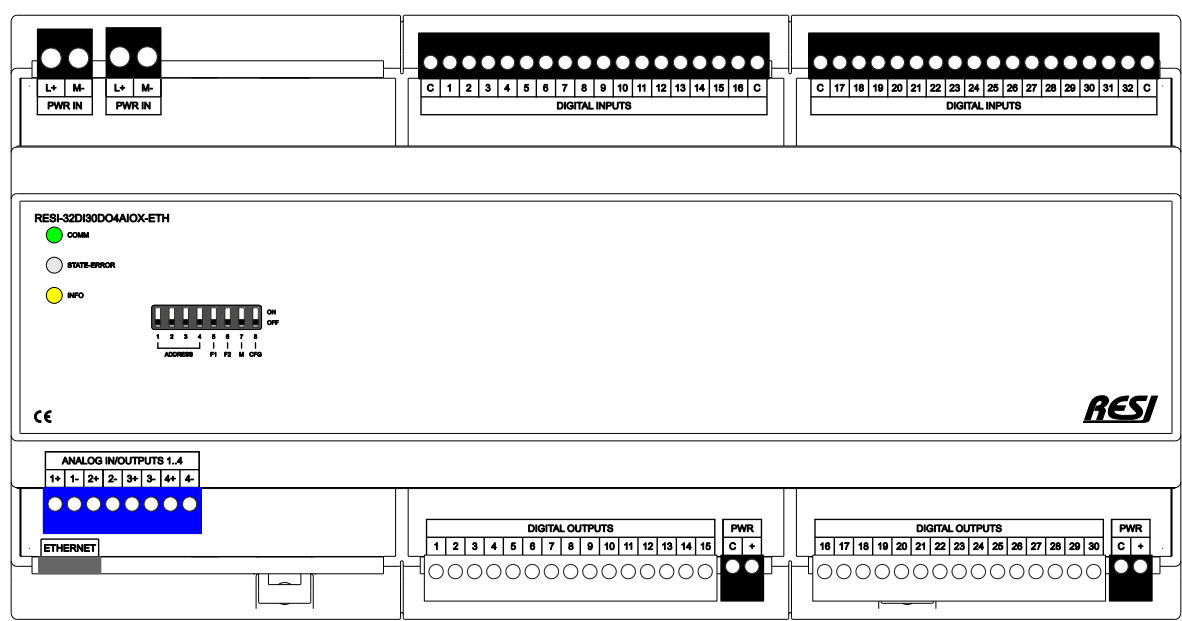


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| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI30DO4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

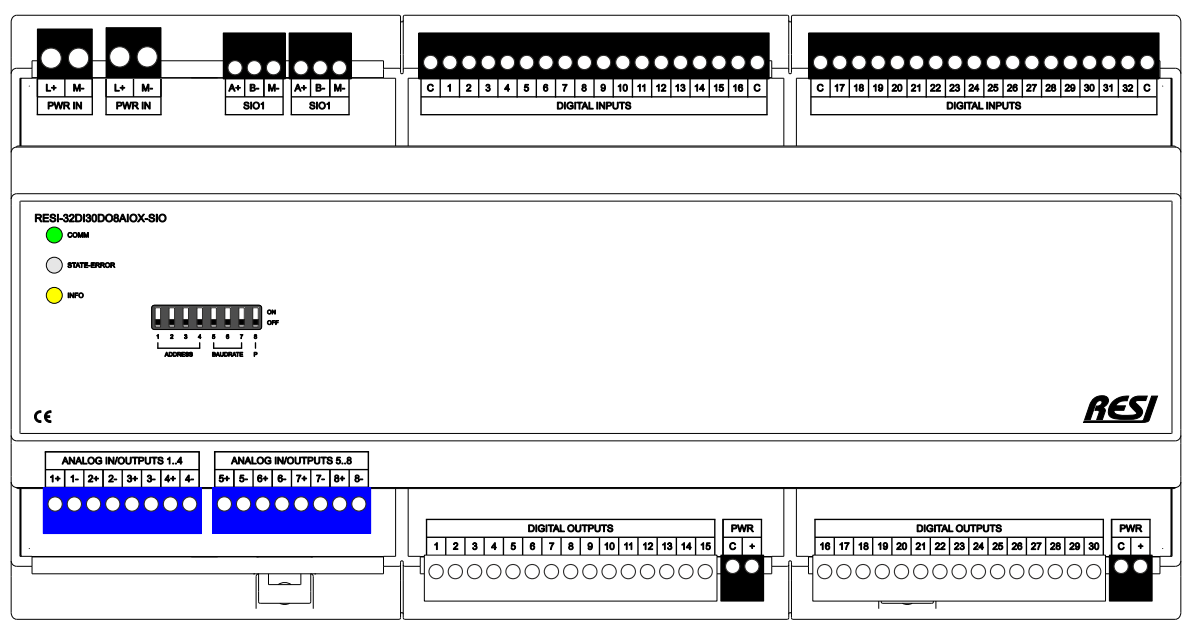


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| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
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|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI30DO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.



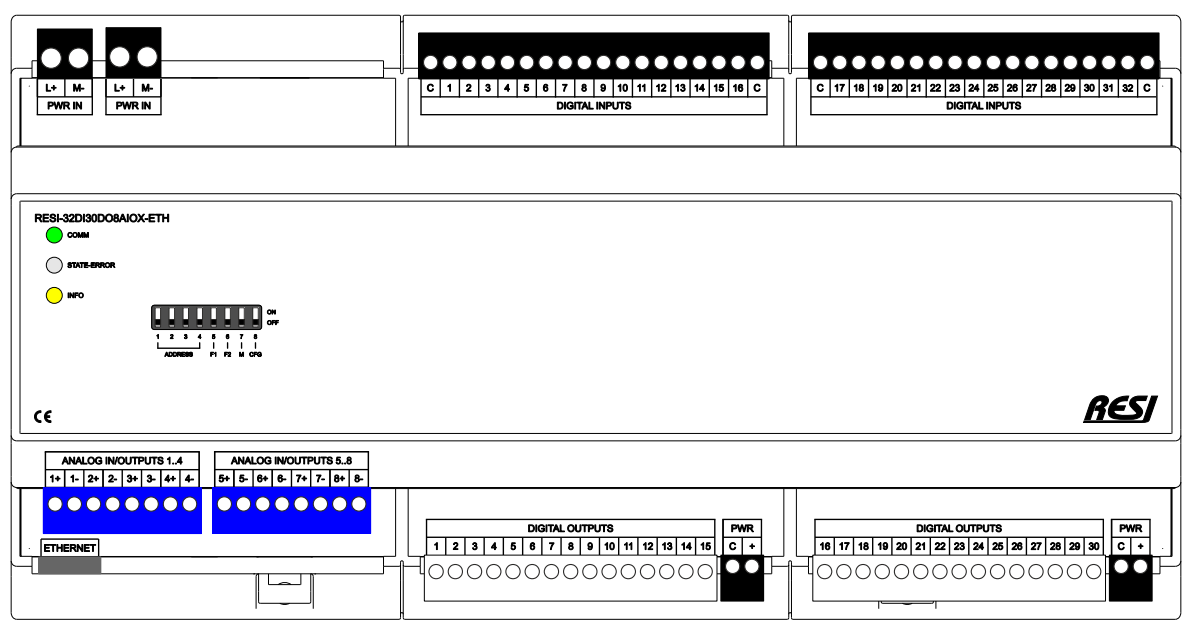
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
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|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |



# RESI-32DI30DO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

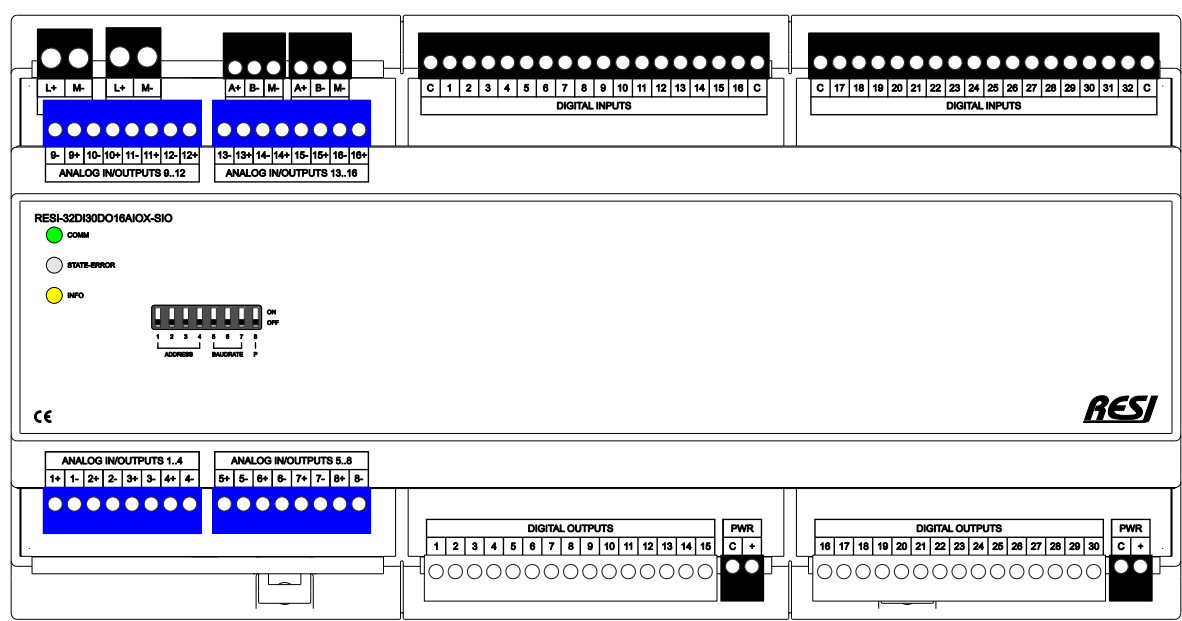


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| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
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|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI30DO16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
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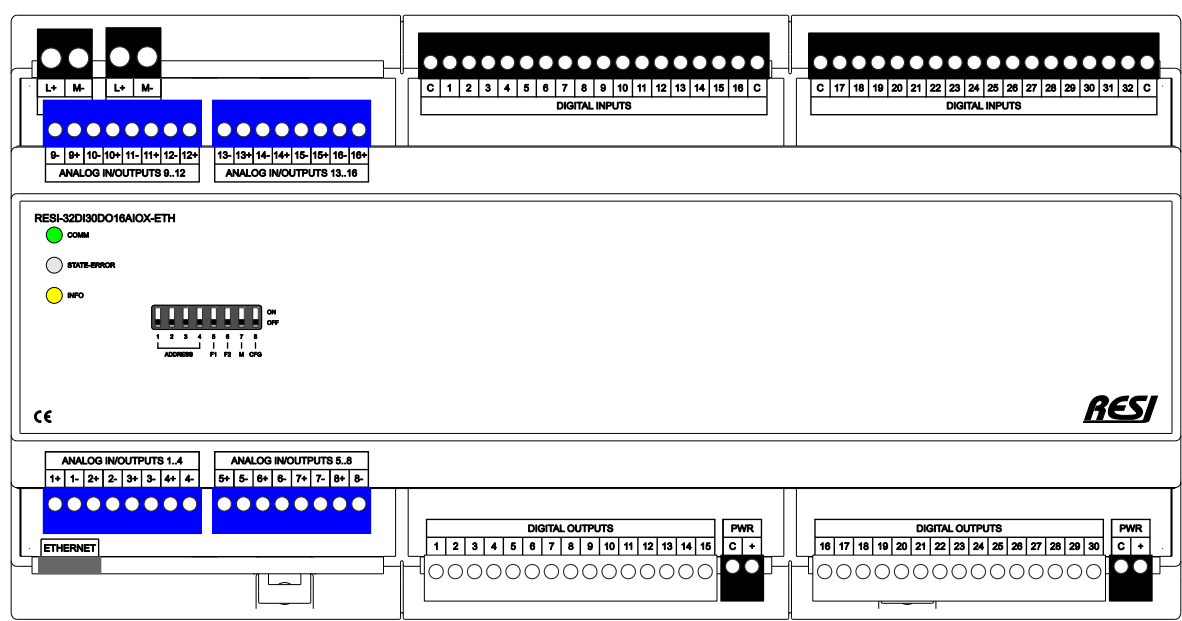


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| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI30DO16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

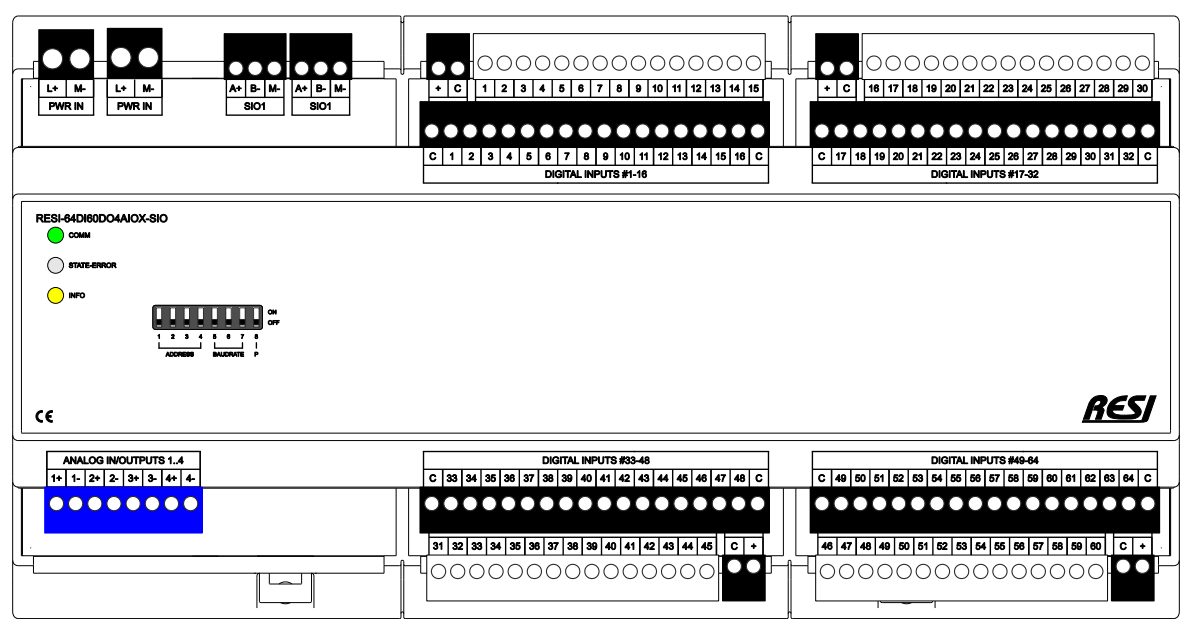


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 30<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 2 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-64DI60DO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

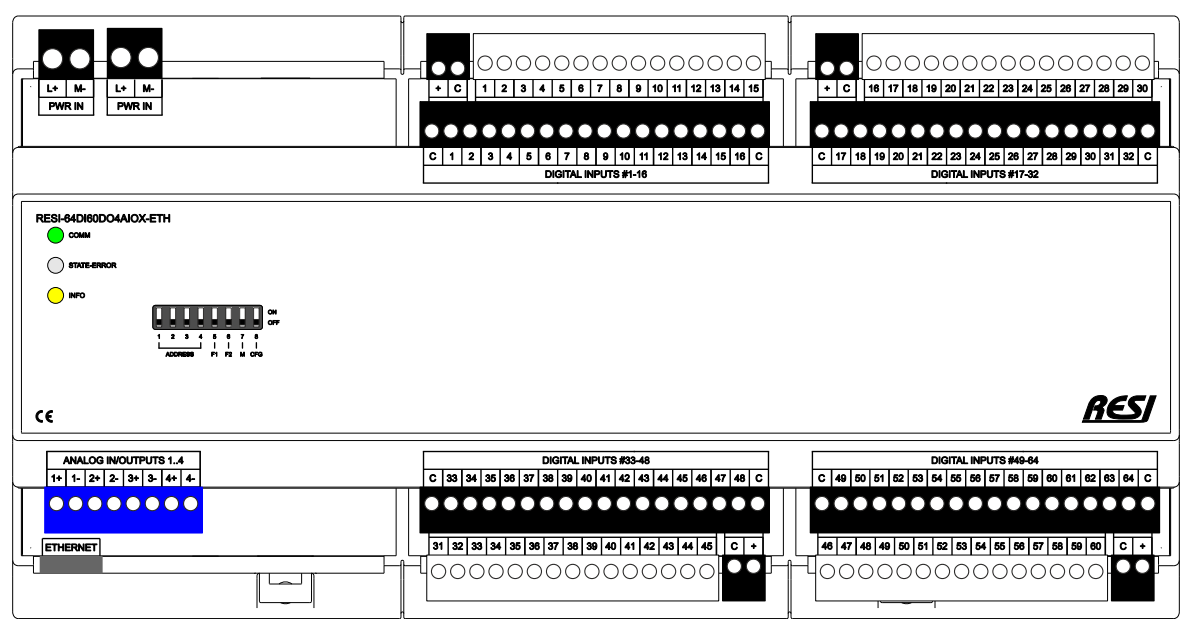


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-64DI60DO4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

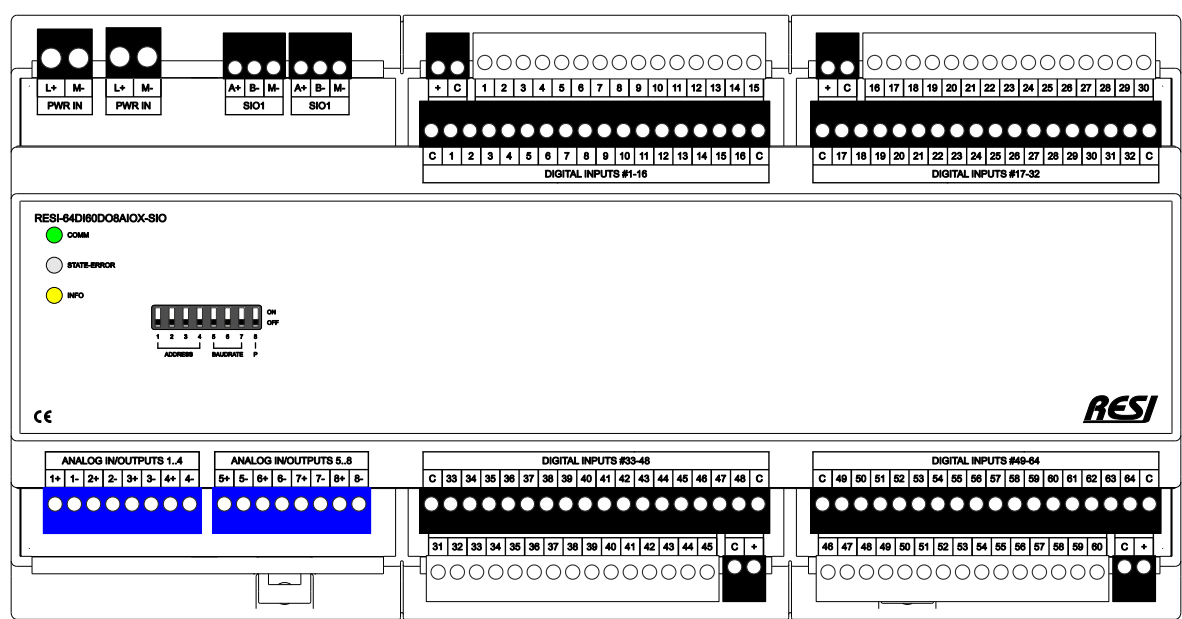


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-64DI60DO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

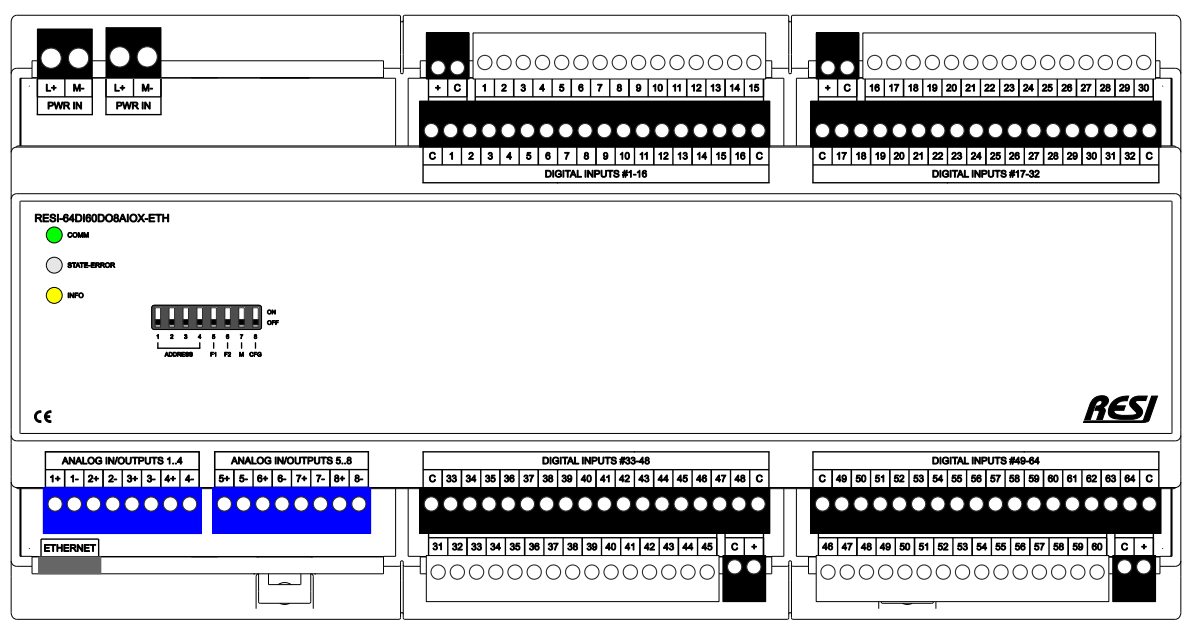


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
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| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-64DI60DO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

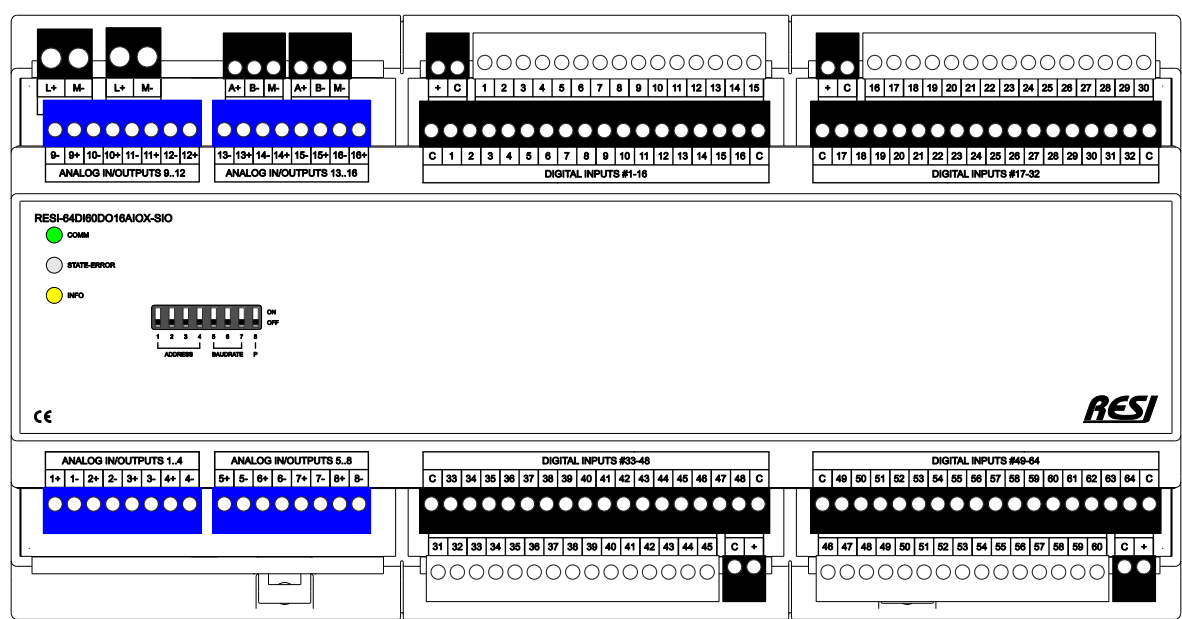


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| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-64DI60DO16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.



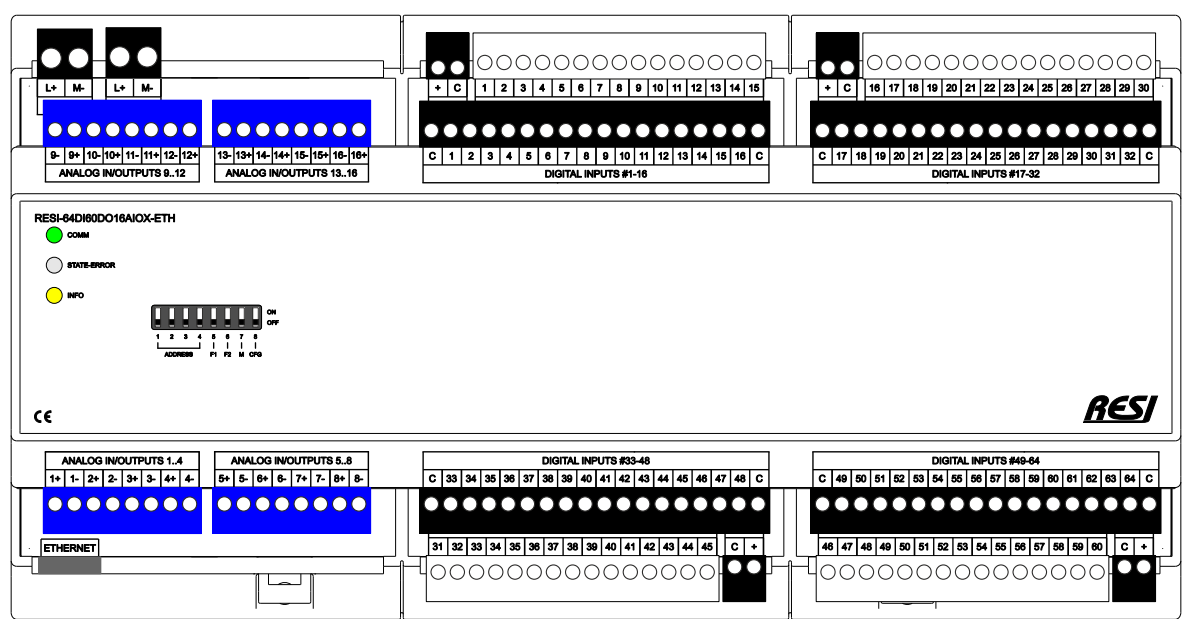
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |



# RESI-64DI60DO16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

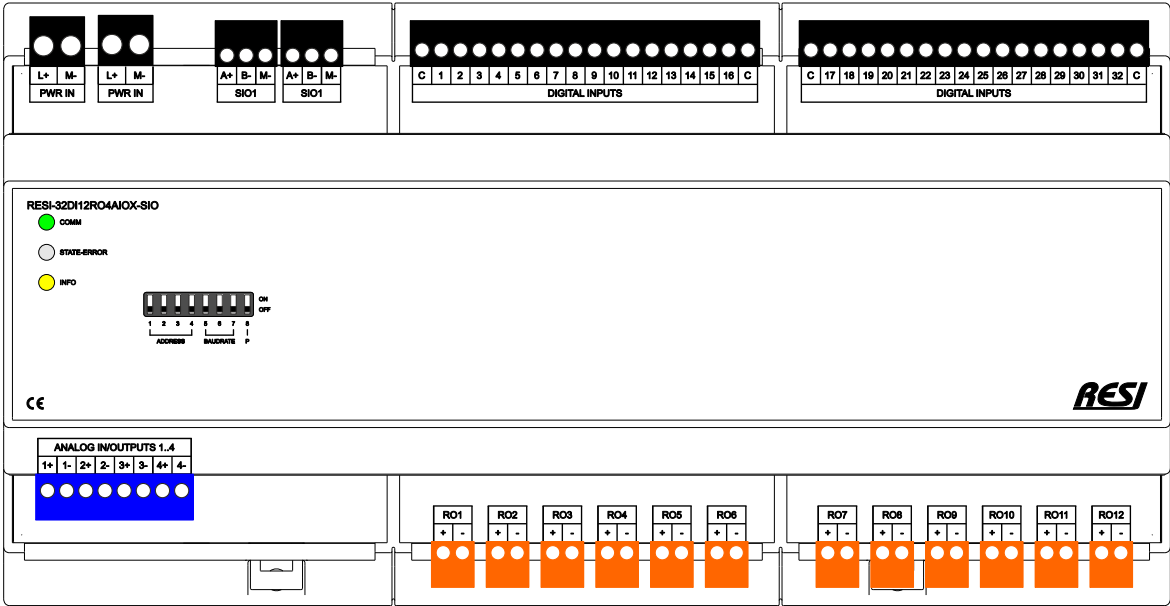


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 64<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 60<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.                                           | ≤30V=<br>≤700mA                                                                                                                             |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                           | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module.<br>Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI12RO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

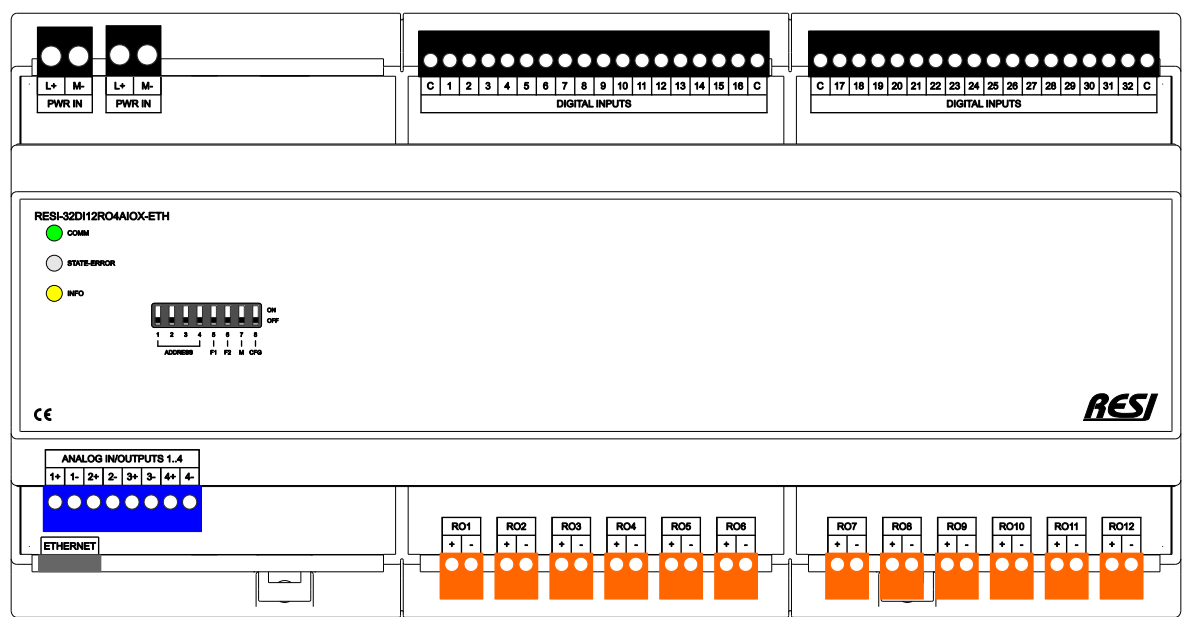


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI12RO4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

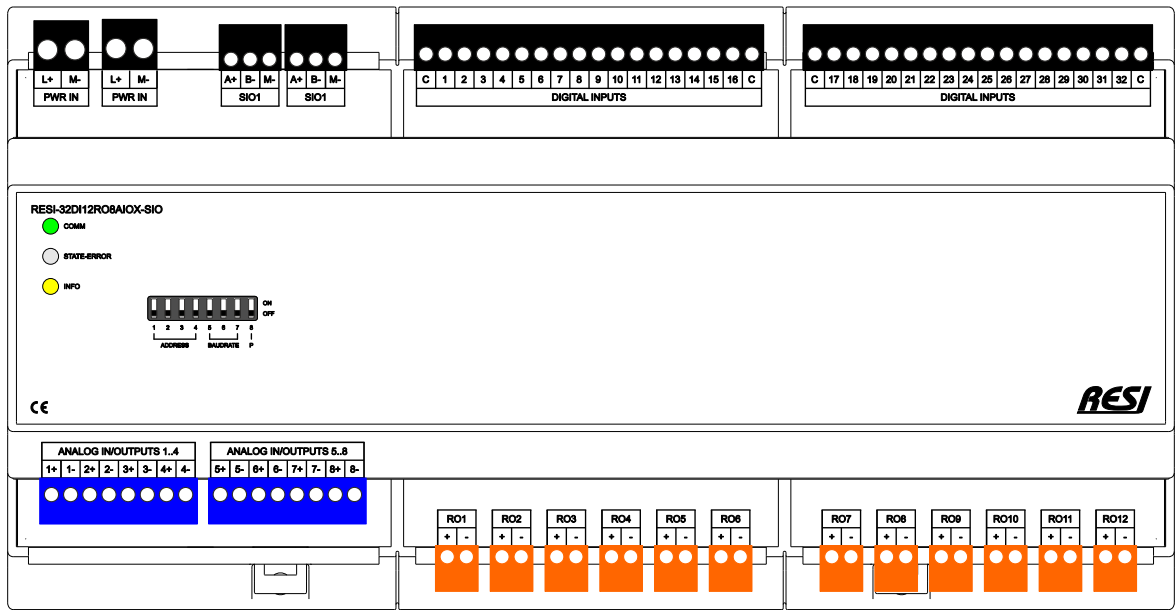


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI12RO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

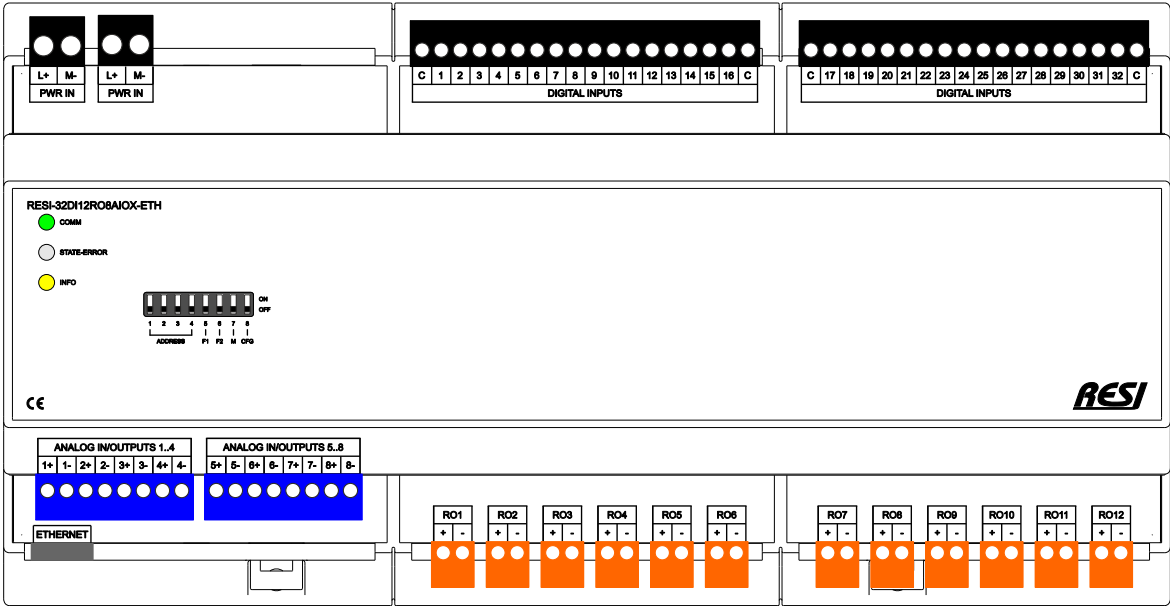


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI12RO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

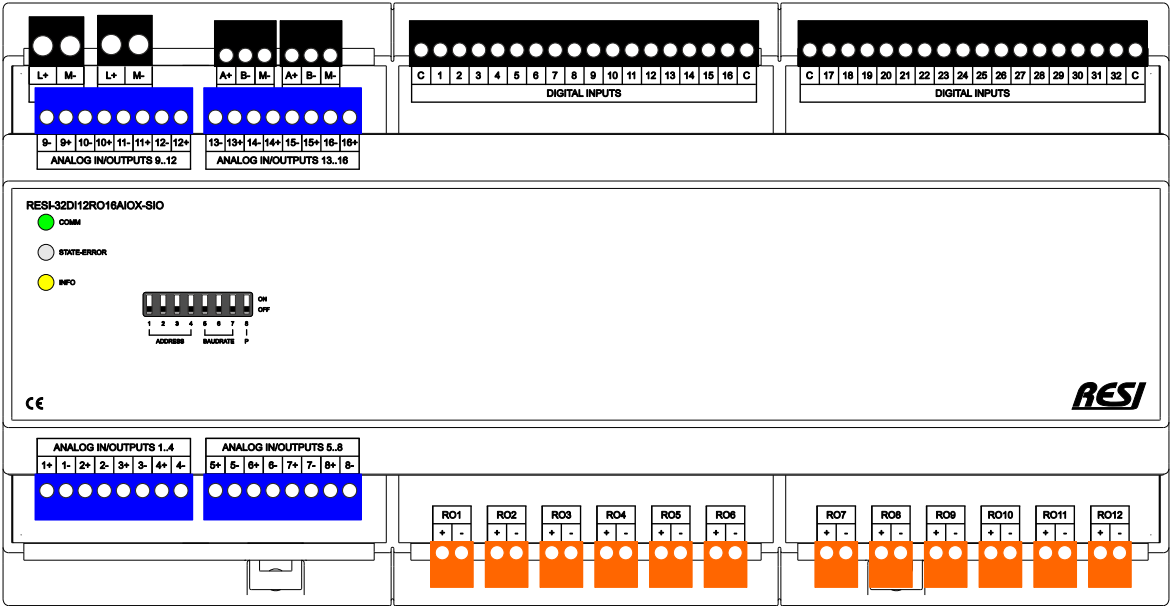


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI12RO16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

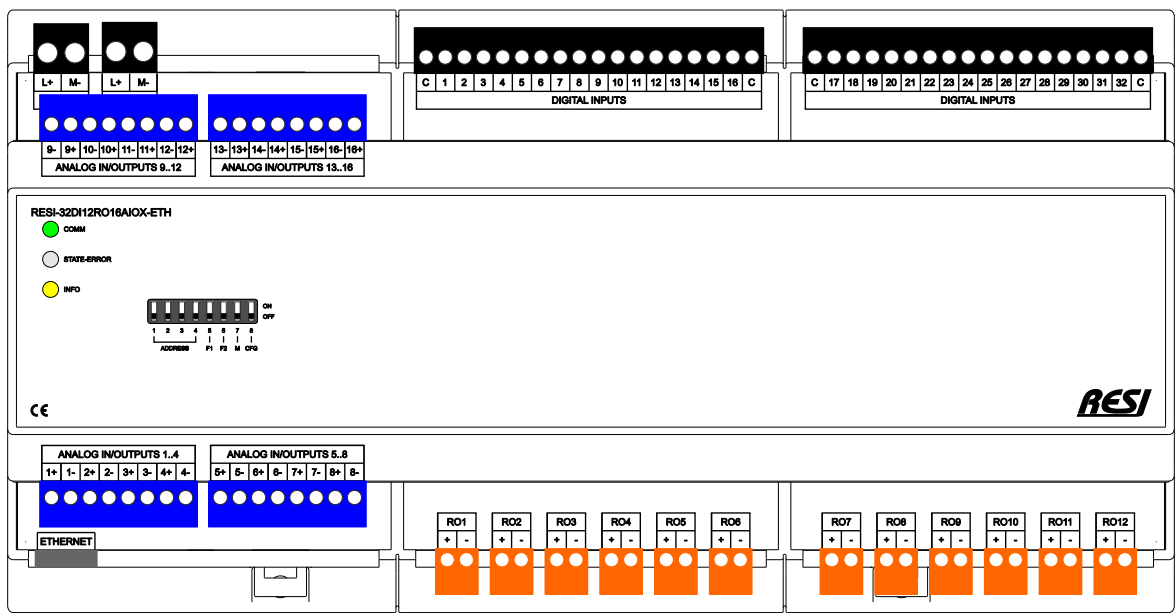


|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                   | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                 | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI12RO16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

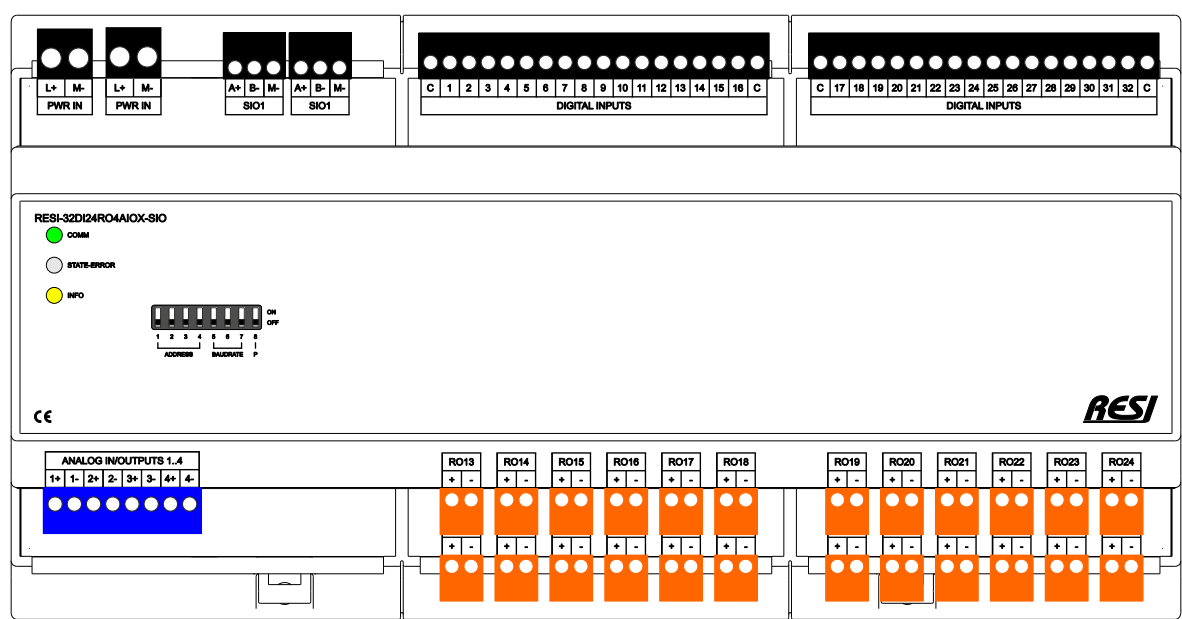


|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                   | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 12<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                 | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI24RO4AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface. The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.



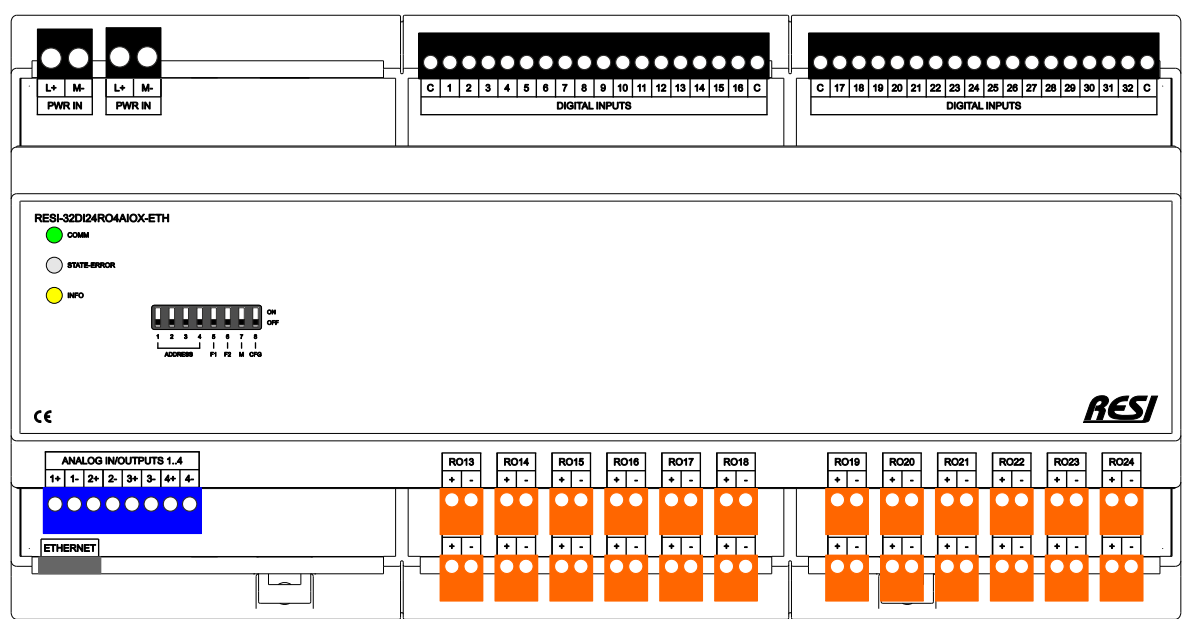
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |



# RESI-32DI24RO4AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

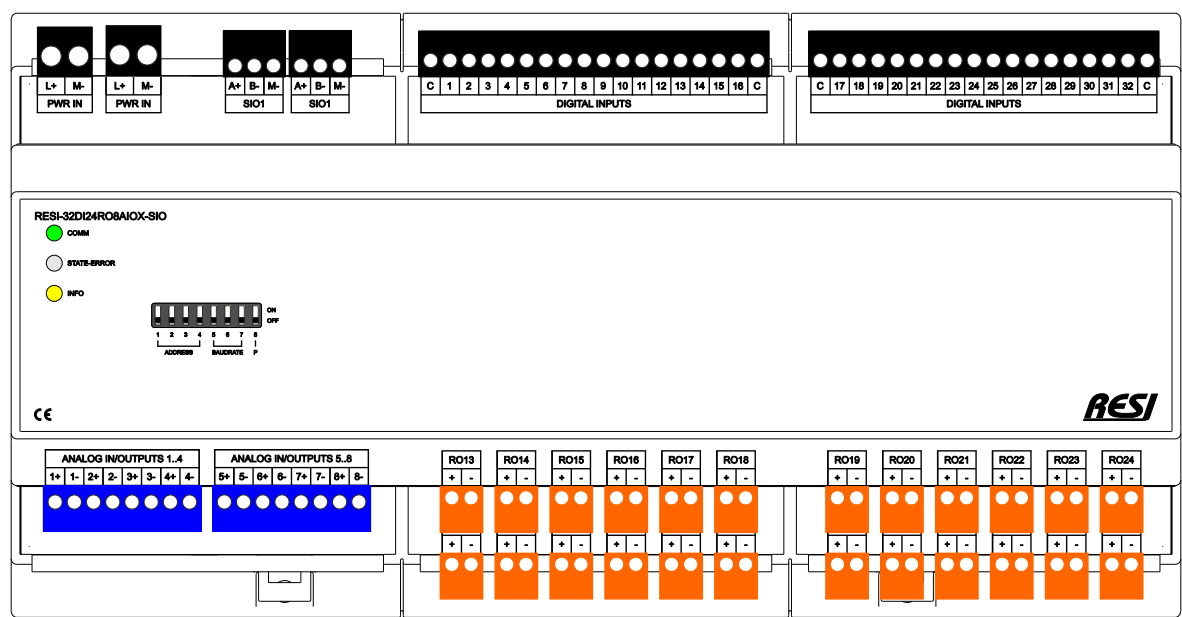


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 4<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI24RO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface. The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

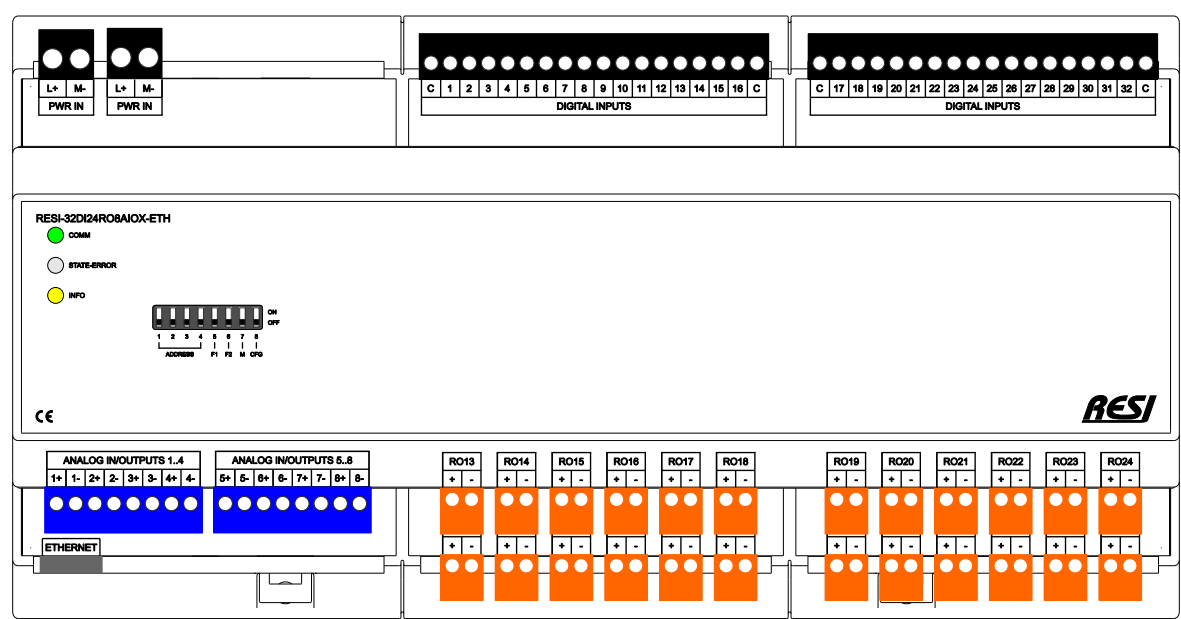


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI24RO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

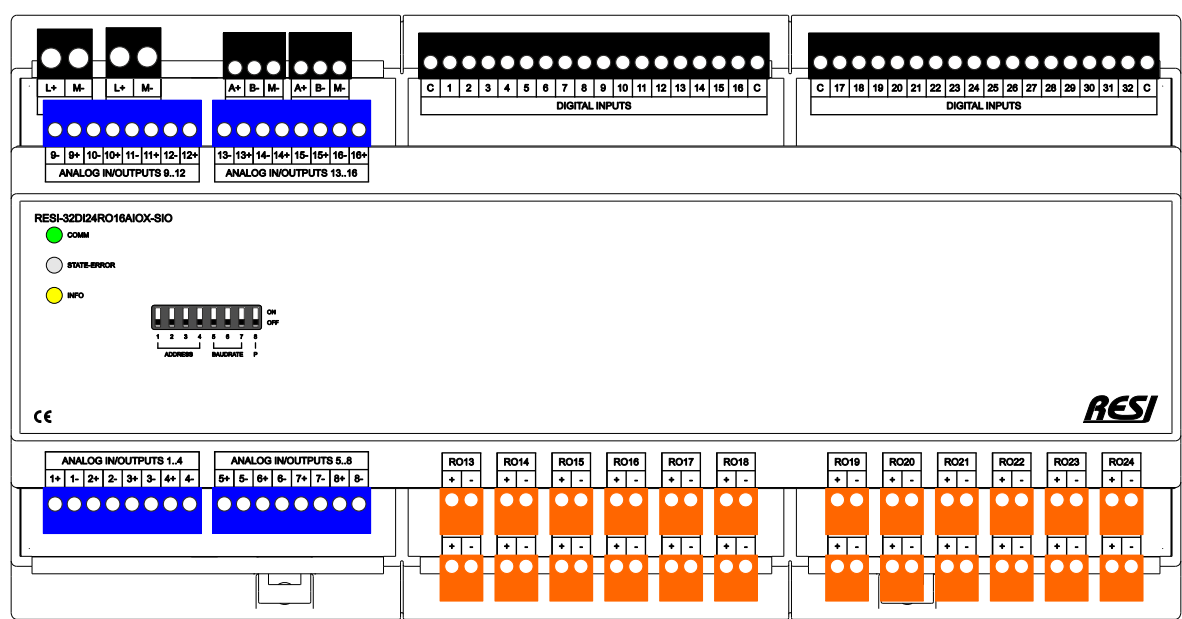


|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                  | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-32DI24RO16AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface. The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

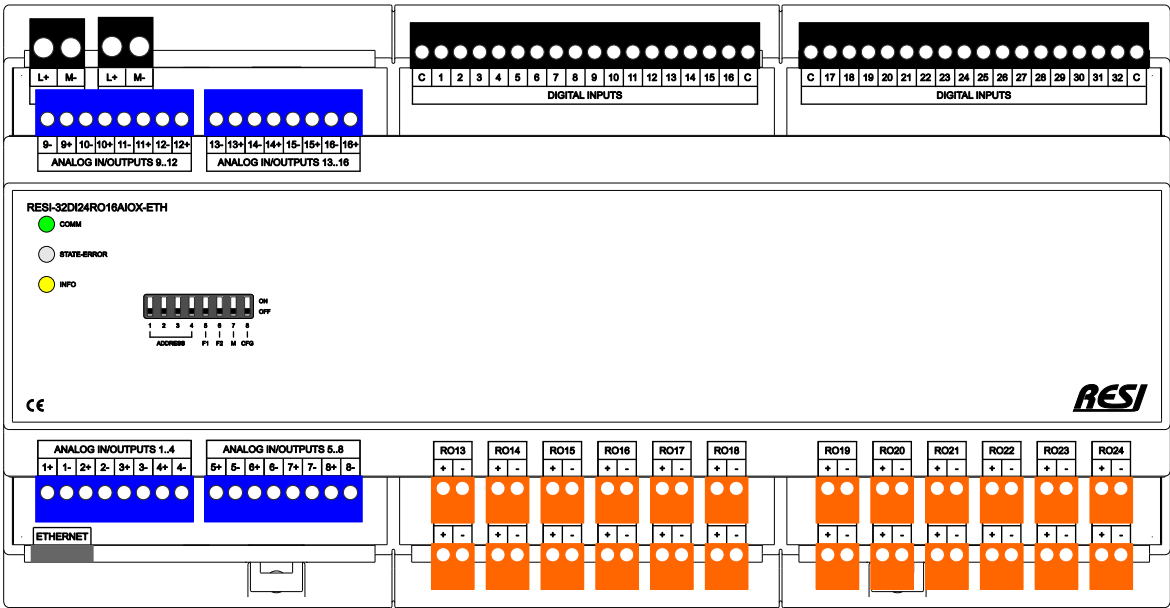


|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                          | LOGIC INPUT                                                                                                                                                                                                                                                                    | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                        | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                                                  | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                             | <b>ANALOG INPUT</b><br>0/2...10V or 0/4...20mA<br><b>ANALOG OUTPUT</b><br>0/2...10V or 0/4...20mA<br><b>RTD Sensor Input</b><br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br><b>LOGIC INPUT or<br/>DRY CONTACT</b> | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| <b>Functionality</b><br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                                                |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-32DI24RO16AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

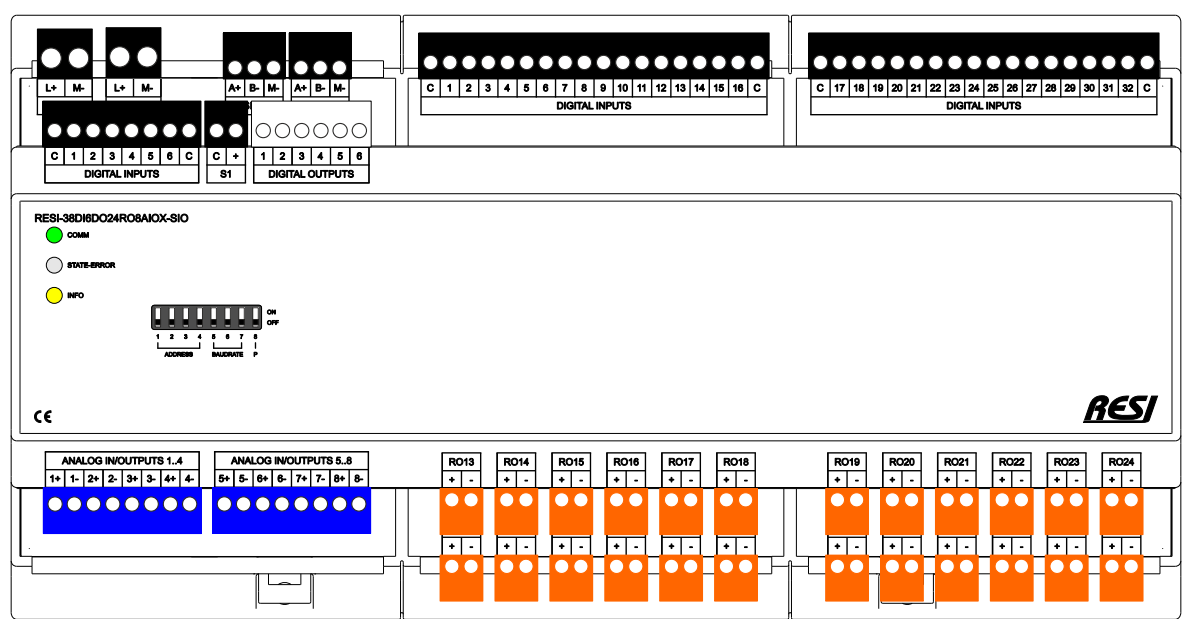


|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 32<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                   | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                 | RELAY OUTPUT<br>Form A relays                                                                                                                                                                                                                     | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub>                                                                                                |
| 16<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                      | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

# RESI-38DI6DO24RO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 38 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

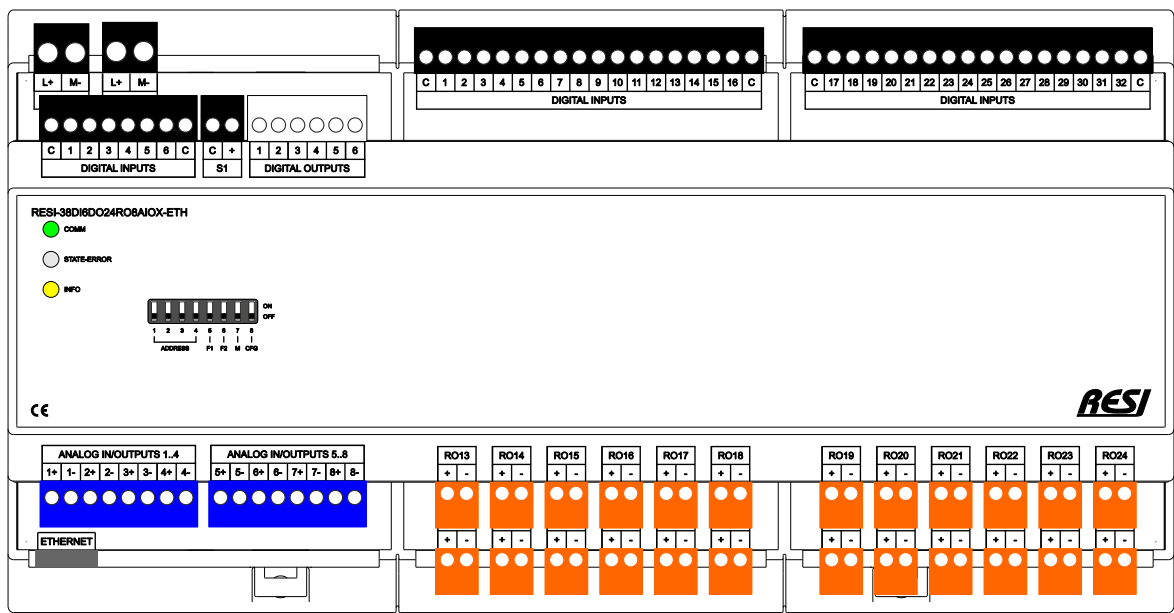


|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                      |                                     |                                                                                                                                                                                                       |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <div>8<br/>Universal<br/>Channels</div> <div>Analog Input<br/>or<br/>Analog Output<br/>or<br/>RTD Inputs<br/>or<br/>Digital Input</div> | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT                                                                                                                                                                                                                                                                                                                                        |  | <div>±0.2%<br/>16 Bit<br/>±0.3%<br/>13 Bit<br/><br/>0.5%±0.5<br/>0.3%<br/>0.2%<br/>0.3%<br/>0.8%<br/>1.0%<br/>8.0%<br/>16 Bit<br/>≤40V ≤1.8mA<br/>0.5...24.5mA</div> | <div>38<br/>Digital Inputs</div>    | LOGIC INPUT                                                                                                                                                                                           | 12...48V=<br>≤1.8mA                          |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                      | <div>6<br/>Digital Outputs</div>    | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA                              |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                      | <div>24<br/>Relay<br/>Outputs</div> | RELAY OUTPUT<br>Form A relays                                                                                                                                                                         | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
|                                                                                                                                         | Functionality<br>IO module with 38 digital inputs for 12-48Vdc signals and 6 digital outputs for ≤30Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc or dry |  |                                                                                                                                                                      |                                     |                                                                                                                                                                                                       |                                              |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-38DI6DO24RO8AIOX-ETH

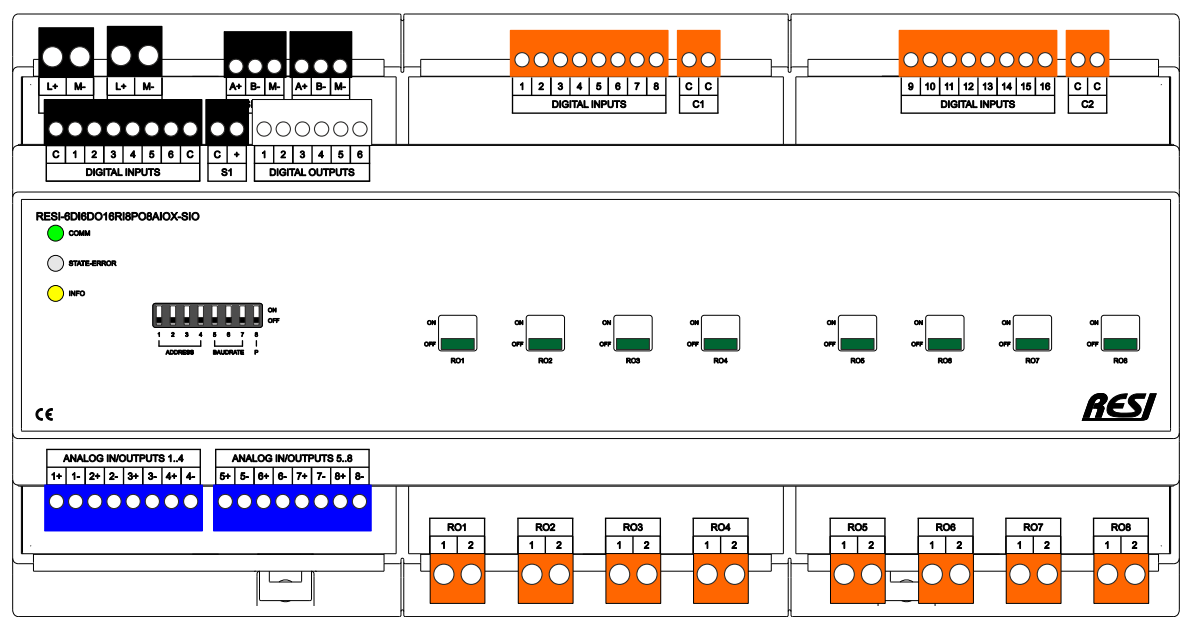
Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface. The IO module offers 38 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.



|                                                                                                                  |                                                                                                                                                                                                                                                   |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                       |                                              |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA | 38<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LOGIC INPUT                                                                                                                                                                                           | 12...48V=<br>≤1.8mA                          |
|                                                                                                                  |                                                                                                                                                                                                                                                   |                                                                                                                                             | 6<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 1 group with 6 outputs each.<br><br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group. | ≤30V=<br>≤700mA                              |
|                                                                                                                  |                                                                                                                                                                                                                                                   |                                                                                                                                             | 24<br>Relay<br>Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RELAY OUTPUT<br>Form A relays                                                                                                                                                                         | ≤30V=<br>≤250V~<br>≤6A<br>AgSnO <sub>2</sub> |
| XT12<br>213x110x62mm                                                                                             | 12-48V=<br>Power supply                                                                                                                                                                                                                           |                                                                                                                                             | Functionality<br>IO module with 38 digital inputs for 12-48Vdc signals and 6 digital outputs for ≤30Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc or dry |                                                                                                                                                                                                       |                                              |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail                                                                          | ON-WALL<br>Mounting on-wall                                                                                                                                                                                                                       | ETHERNET                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                       |                                              |

# RESI-6DI6DO16RI8PO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 6 digital inputs for DC signals 12-48V=, 6 digital outputs for DC signals ≤30V=, 16 digital inputs for AC or DC signals 12-250V~=, 8 bistable power relay outputs with manual override for AC and DC signals and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.



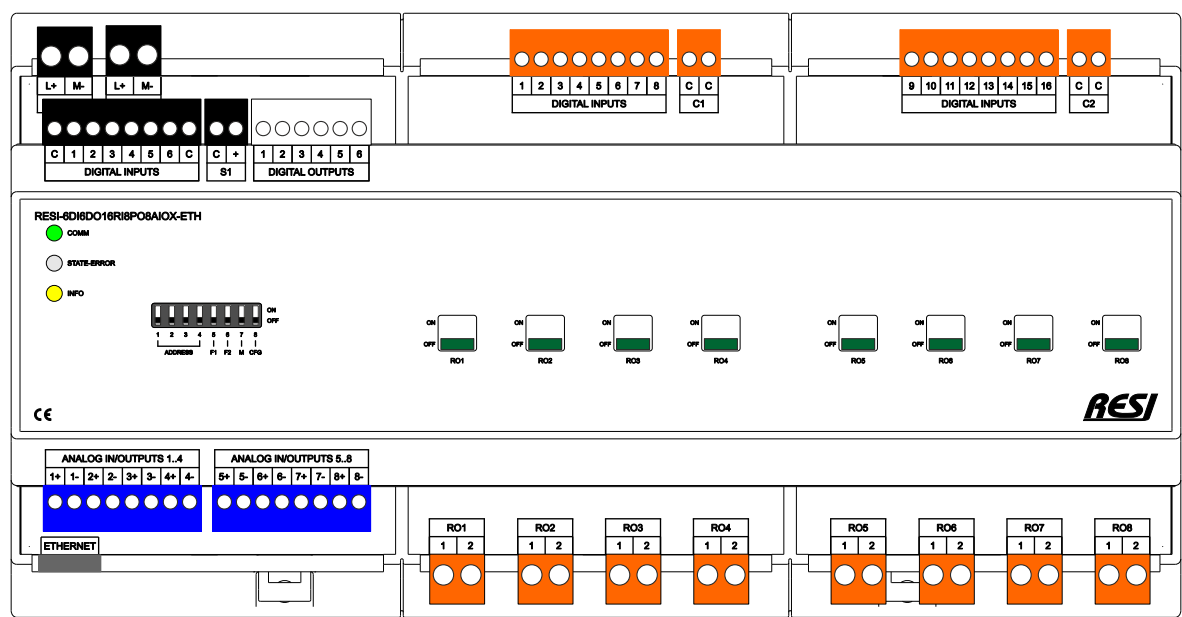
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                    |                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <div>8<br/>Universal<br/>Channels</div> <div>Analog Input<br/>or<br/>Analog Output<br/>or<br/>RTD Inputs<br/>or<br/>Digital Input</div>                                                                                                                                                                                                                                                                                                                    | <div>ANALOG INPUT<br/>0/2...10V or 0/4...20mA</div> <div>ANALOG OUTPUT<br/>0/2...10V or 0/4...20mA</div> <div>RTD Sensor Input<br/>0...80Ω<br/>80...200Ω<br/>200...10kΩ<br/>10kΩ...20kΩ<br/>20kΩ...100kΩ<br/>100kΩ...200kΩ<br/>200kΩ...1MΩ</div> <div>LOGIC INPUT or<br/>DRY CONTACT</div> | <div>±0.2%<br/>16 Bit<br/>±0.3%<br/>13 Bit</div> <div>0.5%±0.5<br/>0.3%<br/>0.2%<br/>0.3%<br/>0.8%<br/>1.0%<br/>8.0%<br/>16 Bit</div> <div>≤40V ≤1.8mA<br/>0.5...24.5mA</div> | <div>6<br/>Digital Inputs</div>                           | <div>LOGIC INPUT</div>                                                                                                                                                                                                             | <div>12...48V=<br/>≤1.8mA</div>                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>6<br/>Digital Outputs</div>                          | <div>DIGITAL OUTPUT</div> <div>Output is shortcut &amp; over heat protected.<br/>Organized in 1 group with 6 outputs each.</div> <div>Each output group is externally supplied.<br/>Max. 1.8A power supply for output group.</div> | <div>≤30V=<br/>≤700mA</div>                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>16<br/>Digital Inputs</div>                          | <div>LOGIC INPUT</div> <div>galvanic insulated<br/>common contacts per group</div>                                                                                                                                                 | <div>12...250V~=<br/>≤1.8mA</div>                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>8<br/>bistable<br/>Power<br/>Relay<br/>Outputs</div> | <div>BISTABLE RELAY OUTPUT</div> <div>Form A</div>                                                                                                                                                                                 | <div>≤30V=<br/>≤250V~<br/>≤16A<br/>≤200μF<br/>AgSnO<sub>2</sub></div> |
| <div>Functionality</div> <div>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs, 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each analog channel can be configured to one of the following input or output types:<br/>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact</div> |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                    |                                                                       |

|                                                     |                                                |                  |
|-----------------------------------------------------|------------------------------------------------|------------------|
| <div>XT12</div> <div>10x62mm</div>                  | <div>12-48V=<br/>Power supply</div>            |                  |
| <div>EN 50022</div> <div>Snap-on<br/>DIN-Rail</div> | <div>ON-WALL</div> <div>Mounting on-wall</div> | <div>RS485</div> |



# RESI-6DI6DO16RI8PO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 6 digital inputs for DC signals 12-48V=, 6 digital outputs for DC signals ≤30V=, 16 digital inputs for AC or DC signals 12-250V~=, 8 bistable power relay outputs with manual override for AC and DC signals and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

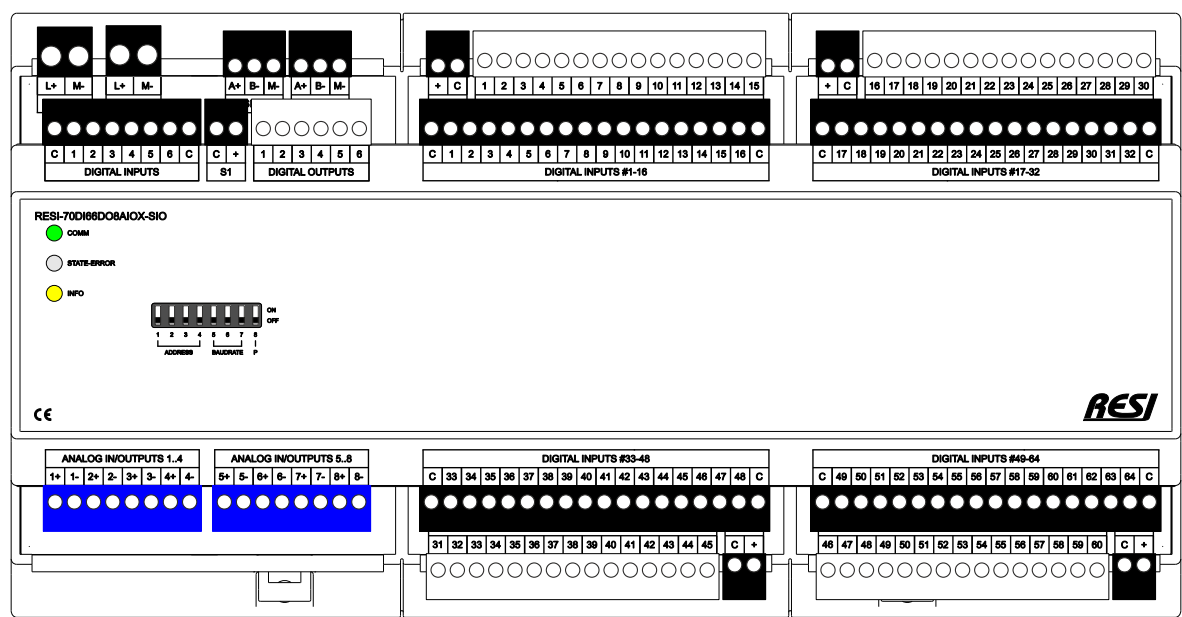


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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <div>8<br/>Universal<br/>Channels</div> <div>Analog Input<br/>or<br/>Analog Output<br/>or<br/>RTD Inputs<br/>or<br/>Digital Input</div>                                                                                                                                                                                                                                                                                                                    | <div>ANALOG INPUT<br/>0/2...10V or 0/4...20mA</div> <div>ANALOG OUTPUT<br/>0/2...10V or 0/4...20mA</div> <div>RTD Sensor Input<br/>0...80Ω<br/>80...200Ω<br/>200...10kΩ<br/>10kΩ...20kΩ<br/>20kΩ...100kΩ<br/>100kΩ...200kΩ<br/>200kΩ...1MΩ</div> <div>LOGIC INPUT or<br/>DRY CONTACT</div> | <div>±0.2%<br/>16 Bit<br/>±0.3%<br/>13 Bit</div> <div>0.5%±0.5<br/>0.3%<br/>0.2%<br/>0.3%<br/>0.8%<br/>1.0%<br/>8.0%<br/>16 Bit</div> <div>≤40V ≤1.8mA<br/>0.5...24.5mA</div> | <div>6<br/>Digital Inputs</div>                           | <div>LOGIC INPUT</div>                                                                                                                                                                                                             | <div>12...48V=<br/>≤1.8mA</div>                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>6<br/>Digital Outputs</div>                          | <div>DIGITAL OUTPUT</div> <div>Output is shortcut &amp; over heat protected.<br/>Organized in 1 group with 6 outputs each.</div> <div>Each output group is externally supplied.<br/>Max. 1.8A power supply for output group.</div> | <div>≤30V=<br/>≤700mA</div>                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>16<br/>Digital Inputs</div>                          | <div>LOGIC INPUT</div> <div>galvanic insulated<br/>common contacts per group</div>                                                                                                                                                 | <div>12...250V~=<br/>≤1.8mA</div>                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               | <div>8<br/>bistable<br/>Power<br/>Relay<br/>Outputs</div> | <div>BISTABLE RELAY OUTPUT</div> <div>Form A</div>                                                                                                                                                                                 | <div>≤30V=<br/>≤250V~<br/>≤16A<br/>≤200μF<br/>AgSnO<sub>2</sub></div> |
| <div>Functionality</div> <div>IO module with 6 digital inputs for 12-48Vdc signals, 6 digital outputs, 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each analog channel can be configured to one of the following input or output types:<br/>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact</div> |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |                                                           |                                                                                                                                                                                                                                    |                                                                       |

|                                                     |                                                |                     |
|-----------------------------------------------------|------------------------------------------------|---------------------|
| <div>XT12</div> <div>110x62mm</div>                 | <div>12-48V=<br/>Power supply</div>            |                     |
| <div>EN 50022</div> <div>snap-on<br/>DIN-Rail</div> | <div>ON-WALL</div> <div>Mounting on-wall</div> | <div>ETHERNET</div> |

# RESI-70DI66DO8AIOX-SIO

Our powerful IO module for a MODBUS/RTU or ASCII text protocol host with RS485 interface.  
The IO module offers 70 digital inputs for DC signals 12-48V= and 66 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

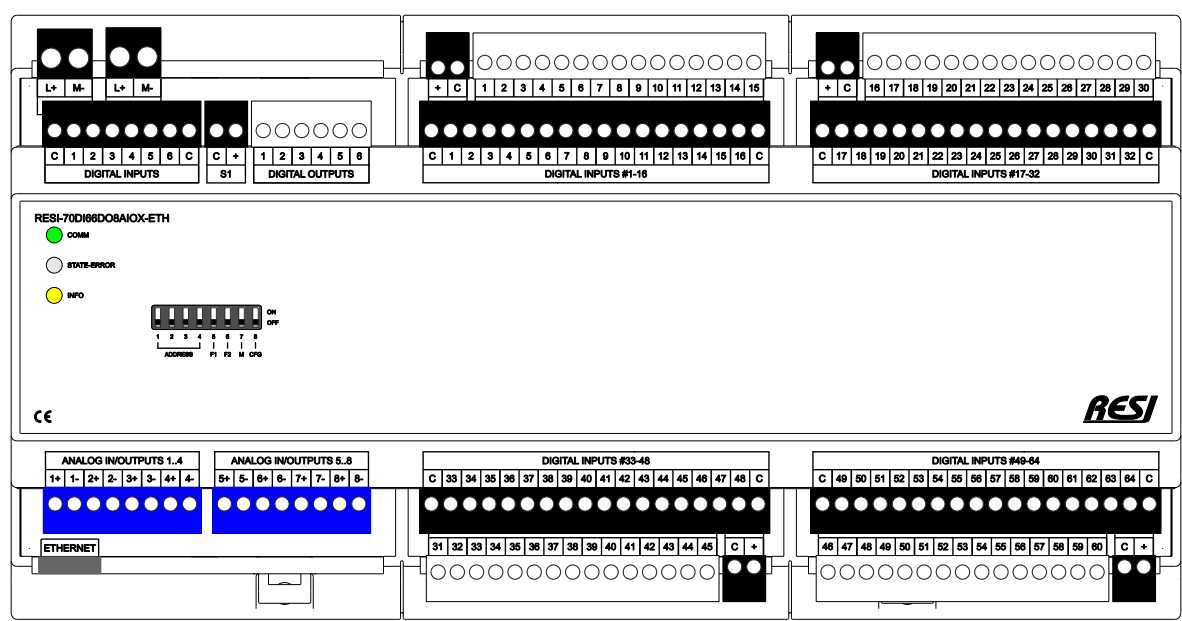


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 70<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 66<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each<br>and 2 groups with 6 outputs each<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.            | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 70 digital inputs for 12-48Vdc signals, 66 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |       |
|-----------------------------------------|-----------------------------|-------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |       |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | RS485 |

# RESI-70DI66DO8AIOX-ETH

Our powerful IO module for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.  
The IO module offers 70 digital inputs for DC signals 12-48V= and 66 digital outputs for DC signals ≤30V= and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 70<br>Digital Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOGIC INPUT                                                                                                                                                                                                                                       | 12...48V=<br>≤1.8mA                                                                                                                         |
| 66<br>Digital Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIGITAL OUTPUT<br>Output is shortcut & over heat protected.<br>Organized in 4 groups with 15 outputs each<br>and 4 groups with 6 outputs each<br>Each output group is externally supplied.<br>Max. 1.8A power supply for output group.            | ≤30V=<br>≤700mA                                                                                                                             |
| 8<br>Universal<br>Channels<br><br>Analog Input<br>or<br>Analog Output<br>or<br>RTD Inputs<br>or<br>Digital Input                                                                                                                                                                                                                                                                                                                                                                        | ANALOG INPUT<br>0/2...10V or 0/4...20mA<br>ANALOG OUTPUT<br>0/2...10V or 0/4...20mA<br>RTD Sensor Input<br>0...80Ω<br>80...200Ω<br>200...10kΩ<br>10kΩ...20kΩ<br>20kΩ...100kΩ<br>100kΩ...200kΩ<br>200kΩ...1MΩ<br><br>LOGIC INPUT or<br>DRY CONTACT | ±0.2%<br>16 Bit<br>±0.3%<br>13 Bit<br><br>0.5%±0.5<br>0.3%<br>0.2%<br>0.3%<br>0.8%<br>1.0%<br>8.0%<br>16 Bit<br>≤40V ≤1.8mA<br>0.5...24.5mA |
| Functionality<br>IO module with 70 digital inputs for 12-48Vdc signals, 66 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:<br>AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact |                                                                                                                                                                                                                                                   |                                                                                                                                             |

|                                         |                             |          |
|-----------------------------------------|-----------------------------|----------|
| XT12<br>213x110x62mm                    | 12-48V=<br>Power supply     |          |
| DIN EN 50022<br>Snap-on<br>for DIN-Rail | ON-WALL<br>Mounting on-wall | ETHERNET |

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