



IOL3300

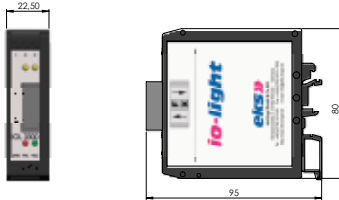
CONTACT CLOSURE
FO-SYSTEM

1 X CONTACT
CLOSURE

The fiber optic system IOL3300 transmits digital signals (e.g., contact closures, control-signals) via fiber optics.

The fiber optic cable is able to transmit one digital signal (12–24 VDC) in both directions via one or two fiber.

LEDs and potential-free contacts of a fault detector relay are able to signal defective states.



| Type | P-ST | H-ST | MM-ST | MM-SC | MM-SC/BIDI | SM-ST | SM-SC | SM-E2 | SM-SC/BIDI |
|---------------------------------------------|----------------------------------------------------------------------------------------|--------------------|---------------|-------------------------------|-------------------------------------|---------------|---------------|------------------------------------------------------|-------------------------------------|
| Article no. IOL3300-TRX-1D | 03300 2301 | 03300 2312 | 03300 2321 | 03300 2323 | 03300 2323-BIDI A 2323-BIDI B | 03300 2331 | 03300 2333 | 03300 2335 | 03300 2333-BIDI A 2333-BIDI B |
| FO-connector | ST | ST | ST | SC | SC | ST | SC | E-2000 | SC |
| Fiber type | POF 980/1000 μm | HCS 200/230 μm | | Multimode 62.5 (50)/125 μm | | | | Singlemode 9/125 μm | |
| Optical budget | 12 dB | 12 dB | | 12 dB | | | | 16 dB | |
| FO range | 50 m (180 dB/km) | 200 m (8 dB/km) | | 5 km (1 dB/km) | | | | 30 km, others up to 100 km on request (0.3 dB/km) | |
| Wavelength | 650 nm | 850 nm | | 1310 nm | 1310 nm 1550 nm | | 1310 nm | | 1310 nm 1550 nm |
| Signal input | 10–30 VDC / 5 mA | | | | | | | | |
| Signal output | 24 VAC (1 A) / 24 VDC (1 A) / 60 VDC (0.3 A) | | | | | | | | |
| Cable length | 1 m | | | | | | | | |
| Failure relay | 24 VDC (1 A) / 60 VDC (0.3 A) | | | | | | | | |
| Status-LEDs | Power supply (green) / Data (yellow) / Status (red) | | | | | | | | |
| Power supply | 12–30 VDC | | | | | | | | |
| Power consumption | 2.5 Watts, 100 mA (24 V) | | | | | | | | |
| Operating temperature | –40 °C – +70 °C (Multimode and Singlemode with ST or SC), –20 °C – +55 °C (all others) | | | | | | | | |
| EMC | EN61000-6-2/EN55022 + A1 + A2 Class B | | | | | | | | |
| Weight | 150 g | | | | | | | | |
| Dimensions | 22.5 x 93 x 82 mm | | | | | | | | |
| Housing | Polyamide, black | | | | | | | | |