



IOL3200

CONTACT CLOSURE
FO-SYSTEM

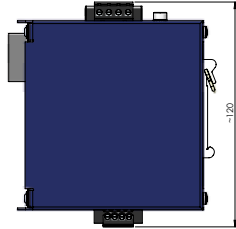
12 X CONTACT
CLOSURE

The fiber optic system IOL3200 transmits digital signals (e.g., contact closures, control-signals) via fiber optics.

Using addressed subscribers, the fiber optic system is able to transmit up to 12 digital signals (12-24 VDC) within a point-to-point structure.

The interconnection of an input/pass system allows the transmission of additional digital data. You can choose if you want to have an electric disjunction (OR) of electrically and optically received data or if the electric data shall overwrite the optical data. The devices are available for line or ring structures as one fiber solutions.

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



Transmitter and Receiver

| Transmitter | P-ST | H-ST | MM-ST | MM-SC | SM-ST | SM-SC | SM-E2 | |
|-------------------------------|---|--------------------|-------------------------------|--------------------|--|---------------|--------------------|--|
| Article no. IOL3200-TX-12D | 03200 1301 | 03200 1312 | 03200 1321 | 03200 1323 | 03200 1331 | 03200 1333 | 03200 1335 | |
| Receiver | P-ST | H-ST | MM-ST | MM-SC | SM-ST | SM-SC | SM-E2 | |
| Article no. IOL3200-RX-12D | 03200 2301 | 03200 2312 | 03200 2321 | 03200 2323 | 03200 2331 | 03200 2333 | 03200 2335 | |
| FO-connector | ST | ST | ST | SC | ST | SC | E-2000 | |
| 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 | 12–24 VDC / 5 mA | | | | | | | |
| Signal output | 30 VDC (1 A) / 60 VDC (0.2 A) | | | | | | | |
| Cable length | 1 m | | | | | | | |
| Connector | 16-pole terminal | | | | | | | |
| Status-LEDs | Power supply (green) / Failure (red) / Data receive (green) / Status (red) / FiberView (red, yellow, green) | | | | | | | |
| Power supply | 12–30 VDC, other voltages on request | | | | | | | |
| Power consumption | 5 Watts, 200 mA (24 V) | | | | | | | |
| Potential separation | 500 VDC | | | | | | | |
| 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 | 570 g | | | | | | | |
| Dimensions | 60 x 100 x 113 mm (60 x 120 x 113 mm incl. connector) | | | | | | | |
| Housing | Stainless steel, powder coated | | | | | | | |