



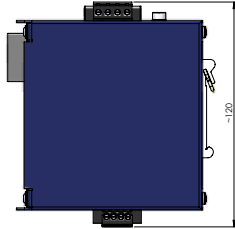
IOL3100

BIDIRECTIONAL
CONTACT CLOSURE
FO-SYSTEM

4 X CONTACT
CLOSURE

The fiber optic system IOL3100 transmits digital signals (e.g., contact closures, control-signals (12–24 VDC) bi-directional via fiber optics.

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. IOL3100	03100 2301	03100 2312	03100 2321	03100 2323	03100 2323-BIDI A 2323-BIDI B	03100 2331	03100 2333	03100 2335	03100 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	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) / Data (yellow) / Status (red)								
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								