



HIRSCHMANN

A BELDEN BRAND

Product information OZD Profi 12M P12

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M P12

<https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57128-57129-500569/en/conf/uistate>

Name	OZD Profi 12M P12
	
	New generation: interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for plastic FO; short-haul version; approval for Ex-zone 2 (Class 1, Div. 2)
Delivery informations	
Availability	available
Product description	
Description	New generation: interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for plastic FO; short-haul version; approval for Ex-zone 2 (Class 1, Div. 2)
Port type and quantity	2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Sub-D 9-pin, female, pin assignment according to EN 50170 part 1
Type	OZD Profi 12M P12
Order No.	942 148-008
Electrical interface	
Signal type	PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)
Bit rate	9.6; 19.2; 45.45; 93.75; 187.5; 500 kbit/s; 1.5; 3; 6; 12 Mbit/s (automatic setting)
Signal delay time (optional input/output)	<= 6.5 bit times
Input/output signal	RS 485 level
Input voltage range	-7 V ... +12 V
Galvanic isolation	yes
Optical interface	
Wavelength	660 nm
Cascadability	not limited
More interfaces	
Power supply	8-pin terminal block, screw mounting
Signaling contact	8-pin terminal block, screw mounting
Measuring outputs "Optical input power"	8-pin terminal block, screw mounting
Network size - length of cable	
Single mode fiber (SM) 9/125 µm	-
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Multimode fiber HCS (MM) 200/230 µm	400 m 8 dB link budget at 660 nm and transmitting power default A = 8 dB/km, 2 dB reserve
Multimode fiber POF (MM) 980/1000 µm	50 m 15 dB link budget at 660 nm and transmitting power reduced 80 m 20 dB link budget at 660 nm and transmitting power default A = 0.2 dB/m, 2 dB reserve
Power requirements	
Operating voltage	18 ... 32 VDC, typ. 24 VDC
Galvanic isolation	yes
Current consumption	max. 190 mA
Power consumption	4.5 W
Output voltage/output current (pin6)	5 VDC +5%, -10%, short circuit-proof/10 mA
Redundancy	
Redundancy functions	HIPER-Ring (ring structure), redundant 24 V infeed

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Ambient conditions
Operating temperature 0 °C to +60 °C

Storage/transport temperature -40 °C to +70 °C

Relative humidity <95% (non-condensing)

Mechanical construction
Dimensions (W x H x D) 40 x 140 x 77.5 mm

Mounting DIN rail or mounting plate

Weight 500 g

Protection class IP 40

Housing material die-cast zinc

Approvals
Basis Standard CE, FCC

Safety of industrial control equipment cUL61010

Scope of delivery and accessories
Scope of delivery device, 4 optical BFOC ST plugs, start-up instructions

For more information please contact:

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