Product information
OZD Profi 12M G12 PRO

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G12 PRO

http://e-catalog.hirschmann.com/link/57078-57141-57128-57129-40418/en/conf/uistate

Name	OZD Profi 12M G12 PRO
	interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO
Delivery informations	
Availability	available
Product description	
Description	interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO
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 G12 PRO
Order No.	943 905-321
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	no
Optical interface	
Wavelength	860 nm
Cascadibility	not limited
More Interfaces	
Power supply	5-pin terminal block, screw mounting
Signaling contact	5-pin terminal block, screw mounting
Measuring outputs "Optical input power"	3-pin terminal block, screw mounting
Network size - length of cable	
Single mode fiber (SM) 9/125 µm	-
Multimode fiber (MM) 50/125 µm	3000 m 13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm	3000 m 15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
Multimode fiber HCS (MM) 200/230 µm	1000 m 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve
Multimode fiber POF (MM) 980/1000 µm	-
Power requirements	
Operating voltage	18 ... 32 VDC, typ. 24 VDC
Galvanic isolation	yes
Current consumption	max. 200 mA
Power consumption	4.8 W
Output voltage/output current (pin6)	5 VDC +5%, -10%, short circuit-proof/90 mA
Redundancy	
Redundancy functions	HIPER-Ring (ring structure), redundant 24 V infeed
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-40 °C to +70 °C
Relative humidity	<95% (non-condensing)

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Mechanical construction	
Dimensions (W x H x D)	35 x 156 x 119 mm
Mounting	DIN rail
Weight	200 g
Protection class	IP 20
Housing material	plastics
Approvals	
Safety of information technology equipment	cUL 508
Hazardous locations	ISA 12.12.01 Class 1 Div. 2; ATEX 100a, Zone 2
Issued or requested approvals	C-Tick
Scope of delivery and accessories	
Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 039 690-001

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