HIRSCHMANN
A BELDEN BRAND

Product information
OZD 485 G12-1300 PRO

Fiber Interfaces:Fieldbus Repeater:Universal Feldbus Repeater:OZD 485 G12-1300 PRO

https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57128-57134-39984/en/conf/uistate

Name	**OZD 485 G12-1300 PRO**
	
	interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass FO; electrical full duplex or semi-duplex mode; long-haul version
Delivery informations	
Availability	available
Product description	
Description	interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass FO; electrical full duplex or semi-duplex mode; long-haul version
Port type and quantity	2 x optical: BFOC 2.5 (STR) socket; 1 x electrical: 6-pin terminal block
Type	OZD 485 G12-1300 PRO
Order No.	943 895-321
Electrical interface	
Signal type	RS 485
Input resistance	10 kOhm
Input voltage range	-7 V ... +12 V
Jitter	typ. 10 nspp
Distortion of bit duration	typ. 1 nspp
Bit rate	0 to 1.5 Mbit/s NRZ
Optical interface	
Wavelength	1310 nm
Optical input power	-31 dBm
More Interfaces	
Power supply	7-pin terminal block
Signaling contact	7-pin terminal block
Voltage output	3-pin terminal block
Network size - length of cable	
Single mode fiber (SM) 9/125 µm	22000 m 13 dB link budget at 1310 nm; A = 0.5 dB/km, 2 dB reserve
Multimode fiber (MM) 50/125 µm	16000 m 18 dB link budget at 1310 nm; A = 1.0 dB/km, 2 dB reserve
Multimode fiber (MM) 62.5/125 µm	16000 m 18 dB link budget at 1310 nm; A = 1.0 dB/km, 2 dB reserve
System delay time	<1.56 us
Power requirements	
Operating voltage	18 ... 32 VDC (typ. 24 VDC)
Current consumption	140 mA at 24 VDC, 65 mA at 32 VDC
Power consumption	<3.5 W
Redundancy	
Redundancy functions	redundant ring, redundant power supply
Ambient conditions	
Operating temperature	-25 °C to +70 °C
Storage/transport temperature	-25 °C to +80 °C
Relative humidity	<95% (non-condensing)
Mechanical construction	
Dimensions (W x H x D)	35 x 163 x 119
Mounting	DIN rail

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Weight	215 g
Protection class	IP 20
Housing material	plastics
Approvals	
Issued or requested approvals	cUL508, cUL1604 Class1, Div. 2, Groups A,B,C and D; according to directive 94/9/EG (ATEX 95): Ex II 3 G (Zone 2); C-Tick
Scope of delivery and accessories	
Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 039 516-001

For more information please contact:
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