




Product information OZD Profi 12M G11 PRO

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G11 PRO

<https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57128-57129-40404/en/conf/uisstate>

Name	OZD Profi 12M G11 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	1 x optical: 2 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 G11 PRO
Order No.	943 905-221
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
Cascadability	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	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)



Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G11 PRO

<https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57128-57129-40404/en/conf/ui/state>

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 Zone 2

Scope of delivery and accessories

Scope of delivery device, start-up instructions

Accessories to order separately manual, order no. 039 690-001

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.