



## Product information OZD Profi 12M G12

<b>Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G12</b>	
<a href="https://catalog.beldensolutions.com:443/link/57078-57141-57128-57129-500563/en/conf/uisstate">https://catalog.beldensolutions.com:443/link/57078-57141-57128-57129-500563/en/conf/uisstate</a>	
<b>Name</b>	OZD Profi 12M G12
	New generation: interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass F0; approval for Ex-zone 2 (Class 1, Div. 2)
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	New generation: interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass F0; approval for Ex-zone 2 (Class 1, Div. 2)
<b>Port type and quantity</b>	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
<b>Type</b>	OZD Profi 12M G12
<b>Order No.</b>	942 148-002
<b>Electrical interface</b>	
<b>Signal type</b>	PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)
<b>Bit rate</b>	9.6; 19.2; 45.45; 93.75; 187.5; 500 kbit/s; 1.5; 3; 6; 12 Mbit/s (automatic setting)
<b>Signal delay time (optional input/output)</b>	<= 6.5 bit times
<b>Input/output signal</b>	RS 485 level
<b>Input voltage range</b>	-7 V ... +12 V
<b>Galvanic isolation</b>	yes
<b>Optical interface</b>	
<b>Wavelength</b>	860 nm
<b>Cascadability</b>	not limited
<b>More interfaces</b>	
<b>Power supply</b>	8-pin terminal block, screw mounting
<b>Signaling contact</b>	8-pin terminal block, screw mounting
<b>Measuring outputs "Optical input power"</b>	8-pin terminal block, screw mounting
<b>Network size - length of cable</b>	
<b>Single mode fiber (SM) 9/125 µm</b>	-
<b>Multimode fiber (MM) 50/125 µm</b>	3000 m, 13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
<b>Multimode fiber (MM) 62.5/125 µm</b>	3000 m, 15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
<b>Multimode fiber HCS (MM) 200/230 µm</b>	1000 m, 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve
<b>Multimode fiber POF (MM) 980/1000 µm</b>	-
<b>Power requirements</b>	
<b>Operating voltage</b>	18 ... 32 VDC, typ. 24 VDC
<b>Galvanic isolation</b>	yes
<b>Current consumption</b>	max. 190 mA
<b>Power consumption</b>	4.5 W
<b>Output voltage/output current (pin6)</b>	5 VDC +5%, -10%, short circuit-proof/10 mA
<b>Redundancy</b>	
<b>Redundancy functions</b>	HIPER-Ring (ring structure), redundant 24 V infeed
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C to +60 °C
<b>Storage/transport temperature</b>	-40 °C to +70 °C
<b>Relative humidity</b>	<95% (non-condensing)
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	40 x 140 x 77.5 mm
<b>Mounting</b>	DIN rail or mounting plate
<b>Weight</b>	500 g
<b>Protection class</b>	IP 40
<b>Housing material</b>	die-cast zink



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#### Approvals

<b>Basis Standard</b>	CE, FCC
<b>Safety of industrial control equipment</b>	cUL61010-2-201
<b>Hazardous locations</b>	ISA 12.12.01 Class 1 Div. 2; ATEX Zone 2
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, start-up instructions

For more information please contact:

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