



**Product:** [OZD Profi 12M G12 PRO](#)

Interface converter electrical/optical for PROFIBUS-field bus networks;  
repeater function; for quartz glass FO

**Product Description**

Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO

**Technical Specifications**

**Product description**

Type:	OZD Profi 12M G12 PRO
Name:	OZD Profi 12M G12 PRO
Description:	Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for plastic FO; short-haul version
Part Number:	943905321
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
Signal Type:	PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)

**More Interfaces**

Power Supply:	5-pin terminal block, screw mounting
Signaling contact:	5-pin terminal block, screw mounting

**Network size - length of cable**

Multimode fiber (MM) 50/125 µm:	3000 m, 13 dB link budget at 860 nm; A = 3 dB/km
Multimode fiber (MM) 62.5/125 µm:	3000 m, 15 dB link budget at 860 nm; A = 3.5 dB/km
Multimode fiber HCS (MM) 200/230 µm:	1000 m 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve

**Power requirements**

Current consumption:	max. 200 mA
Input voltage range:	-7 V ... +12 V
Operating Voltage:	18 ... 32 VDC, typ. 24 VDC
Power consumption:	4.8 W
Redundancy functions:	HIPER-Ring (ring structure), redundant 24 V infeed

**Power Output**

Output voltage/output current (pin6):	5 VDC +5%, -10%, short circuit-proof/90 mA
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**Ambient conditions**

Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+70 °C
Relative humidity (non-condensing):	10-95 %

**Mechanical construction**

Dimensions (WxHxD):	35 x 156 x 119 mm
Weight:	200 g
Housing Material:	plastics
Mounting:	DIN rail
Protection class:	IP20

Approvals

Basis Standard:	EU Conformity, AUS Conformity Australia
Safety of information technology equipment:	cUL508
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2, ATEX Zone 2

Reliability

Guarantee:	60 months (please refer to the terms of guarantee for detailed information)
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Scope of delivery and accessories

Scope of delivery:	device, start-up instructions
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