



New generation: interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; approval for Ex-zone 2 (Class 1, Div. 2)

## Product Description

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## Technical Specifications

### Product description

Type:	OZD Profi 12M G12
Name:	OZD Profi 12M G12
Part Number:	942 148-002
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

### More Interfaces

Power Supply:	8-pin terminal block, screw mounting
Signaling contact:	8-pin terminal block, screw mounting

### Network size - length of cable

Single mode fiber (SM) 9/125 $\mu\text{m}$ :	-
Multimode fiber (MM) 50/125 $\mu\text{m}$ :	3000 m, 13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 $\mu\text{m}$ :	3000 m, 15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
Multimode fiber HCS (MM) 200/230 $\mu\text{m}$ :	1000 m, 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve
Multimode fiber POF (MM) 980/1000 $\mu\text{m}$ :	-

### Power requirements

Current consumption:	max. 190 mA
Input voltage range:	-7 V ... +12 V
Operating Voltage:	18 ... 32 VDC, typ. 24 VDC
Power consumption:	4.5 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/10 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

Weight:	500 g
Housing Material:	die-cast zink
Mounting:	DIN rail or mounting plate
Protection class:	IP40

## Approvals

Basis Standard:	EU Conformity, FCC Conformity, AUS Conformity Australia
Safety of industrial control equipment:	cUL61010-2-201
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2
Hazardous locations:	ATEX Zone 2

## Scope of delivery and accessories

Scope of delivery:	device, start-up instructions
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