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Product: OZD Profi 12M G22

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

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)

Technical Specifications

Product description

Type:	OZD Profi 12M G22
Name:	OZD Profi 12M G22
Part Number:	942148003
Port Type and Quantity:	2 x optical: 4 sockets BFOC 2.5 (STR); 2 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:	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 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

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

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	2 502 670 h
Operating temperature:	0-+60 °C
Minimum Storage Temperature:	-40-+70 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (WxHxD):	39.5 x 137.5 x 84 mm
Weight:	560 g

Housing Material:	die-cast zink
Mount Type:	DIN rail or mounting plate
IP Protection Rating:	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, ATEX Zone 2

Reliability

Guarantee:	60 months (please refer to the ""terms of guarantee or detailed information)

Scope of delivery and accessories

Scope of delivery:	device, start-up instructions

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