



Product: [OZD Profi 12M G12-1300 EEC PRO](#)

Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; long-haul version; extended temperature and humidity range

Product Description

Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; long-haul version; extended temperature and humidity range

Technical Specifications

Product description

| | |
|-------------------------|---|
| Type: | OZD Profi 12M G12-1300 EEC PRO |
| Name: | OZD Profi 12M G12-1300 EEC PRO |
| Description: | Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for plastic FO; short-haul version |
| Part Number: | 943 908-321 |
| 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: | 5-pin terminal block, screw mounting |
| Signaling contact: | 5-pin terminal block, screw mounting |

Network size - length of cable

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|-----------------------------------|--|
| Single mode fiber (SM) 9/125 µm: | 15 km, 10 dB link budget at 1310 nm; A = 0.5 dB/km |
| Multimode fiber (MM) 50/125 µm: | 10000 m, 12 dB link budget at 1310 nm; A = 1 dB/km |
| Multimode fiber (MM) 62.5/125 µm: | 10000 m, 12 dB link budget at 1310 nm; A = 1 dB/km |

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

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

Ambient conditions

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|--------------------------------------|-----------|
| Operating temperature: | -20+60 °C |
| Storage/transport temperature: | -40+70 °C |
| Relative humidity (also condensing): | 10-100 % |

Mechanical construction

| | |
|---------------------|-------------------|
| Dimensions (WxHxD): | 35 x 163 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 |
| Hazardous locations: | ATEX Zone 2 |

Scope of delivery and accessories

| | |
|--------------------|-------------------------------|
| Scope of delivery: | device, start-up instructions |
|--------------------|-------------------------------|

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