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# Product: OZD Profi 12M G11 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 G11 PRO |
| Name: | OZD Profi 12M G11 PRO |
| Description: | Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO |
| Part Number: | 943905221 |
| Port Type and Quantity: | 1 x optical: 2 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: | 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

| | |
|---|---|
| Operating temperature: | 0-+60 °C |
| Minimum Storage 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 |
| Mount Type: | DIN rail |
| IP Protection Rating: | 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 or detailed information) |

## Scope of delivery and accessories

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

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