



**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:            | 943908321   |
| 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**

|                                   |  |
|-----------------------------------|--|
| 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**

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

**Ambient conditions**

|                                      |            |
|--------------------------------------|------------|
| 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, ATEX Zone 2 |

### Scope of delivery and accessories

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

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