




## Product information OZD Profi 12M G12 EEC PRO

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G12 EEC PRO

<http://www.e-catalog.beldensolutions.com/link/57078-57141-57128-57129-40419/en/conf/ui/state>

|   |   |
|---|---|
| Name                                      | OZD Profi 12M G12 EEC PRO   |
|   |    |
|   | interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; extended temperature and humidity range |
| <b>Delivery informations</b>              |   |
| Availability                              | available   |
| <b>Product description</b>                |   |
| Description                               | interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; extended temperature and humidity range |
| 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                                 |
| Type                                      | OZD Profi 12M G12 EEC PRO   |
| Order No.                                 | 943 907-321   |
| <b>Electrical interface</b>               |   |
| Signal type                               | PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)  |
| Bit rate                                  | 9.6; 19.2; 45.45; 93.75; 187.5; 500 kbit/s;<br>1.5; 3; 6; 12 Mbit/s (automatic setting)   |
| Signal delay time (optional input/output) | <= 6.5 bit times  |
| Input/output signal                       | RS 485 level  |
| Input voltage range                       | -7 V ... +12 V  |
| Galvanic isolation                        | no  |
| <b>Optical interface</b>                  |   |
| Wavelength                                | 860 nm  |
| Cascadability                             | not limited   |
| <b>More Interfaces</b>                    |   |
| Power supply                              | 5-pin terminal block, screw mounting  |
| Signaling contact                         | 5-pin terminal block, screw mounting  |
| Measuring outputs "Optical input power"   | 3-pin terminal block, screw mounting  |
| <b>Network size - length of cable</b>     |   |
| Single mode fiber (SM) 9/125 µm           | -   |
| Multimode fiber (MM) 50/125 µm            | 3000 m<br>13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve  |
| Multimode fiber (MM) 62.5/125 µm          | 3000 m<br>15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve  |
| Multimode fiber HCS (MM) 200/230 µm       | 1000 m<br>18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve  |
| Multimode fiber POF (MM) 980/1000 µm      | -   |
| <b>Power requirements</b>                 |   |
| Operating voltage                         | 18 ... 32 VDC, typ. 24 VDC  |
| Galvanic isolation                        | yes   |
| Current consumption                       | max. 200 mA   |
| Power consumption                         | 4.8 W   |
| Output voltage/output current (pin6)      | 5 VDC +5%, -10%, short circuit-proof/90 mA  |
| <b>Redundancy</b>                         |   |
| Redundancy functions                      | HIPER-Ring (ring structure), redundant 24 V infeed  |
| <b>Ambient conditions</b>                 |   |
| Operating temperature                     | -20 °C to +60 °C  |
| Storage/transport temperature             | -40 °C to +70 °C  |
| Relative humidity                         | 100% (condensing)   |



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#### Mechanical construction

|                        |                   |
|------------------------|-------------------|
| Dimensions (W x H x D) | 35 x 156 x 119 mm |
| Mounting               | DIN rail          |
| Weight                 | 200 g             |
| Protection class       | IP 20             |
| Housing material       | plastics          |

#### Approvals

|  |  |
|--|--|
| Safety of information technology equipment | cUL 508                                  |
| Hazardous locations                        | cUL 1604 Class1 Div 2; ATEX 100a, Zone 2 |
| Issued or requested approvals              | C-Tick                                   |

#### Scope of delivery and accessories

|                                 |                               |
|---------------------------------|-------------------------------|
| Scope of delivery               | device, start-up instructions |
| Accessories to order separately | manual, order no. 039 690-001 |

For more information please contact:

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