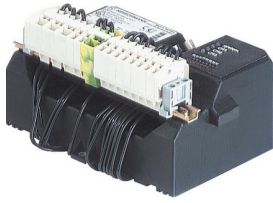


Product: [OZD Profi G12DU ATEX 1,Profibus LWL-Rep.](#) 



Interface converter electrical/optical for PROFIBUS-field bus networks, ring and line, multimode fiber for medium distance, repeater unit for separate housing

Product Description

Interface converter electrical/optical for PROFIBUS-field bus networks, ring and line, multimode fiber for medium distance, repeater unit for separate housing

Technical Specifications

Product description

| | |
|-------------------------|---|
| Type: | OZD Profi G12DU ATEX 1,Profibus LWL-Rep. |
| Name: | OZD Profi G12DU ATEX 1,Profibus LWL-Rep. |
| Description: | Interface converter electrical/optical for PROFIBUS networks; for assembly in cabinet; repeater function; approvals for protection zones 1,21, 2 and 22 |
| Part Number: | 943881321 |
| Port type and quantity: | 2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Ex-e single clamp |
| Signal Type: | PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS) |

More Interfaces

| | |
|--------------------|-------------------|
| Power Supply: | Ex-e single clamp |
| Signaling contact: | Ex-e single clamp |

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 |

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), redundand 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-+80 °C |
| Relative humidity (also condensing): | 10-100 % |

Mechanical construction

| | |
|---------------------|---|
| Dimensions (WxHxD): | 156 x 125 x 75 |
| Weight: | 1.5 kg |
| Housing Material: | plastics |
| Mounting: | Screw mountings in cabinet or DIN rail mounting |
| Protection class: | IP40 |

Approvals

| | |
|----------------------|-------------|
| Hazardous locations: | ATEX Zone 1 |
|----------------------|-------------|

Scope of delivery and accessories

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

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