




Product: [OZD 485 G12-1300 PRO](#) 

Interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass FO; electrical full duplex or semi-duplex mode; long-haul version

Product Description

Interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass FO; electrical full duplex or semi-duplex mode; long-haul version

Technical Specifications

Product description

| | |
|-------------------------|---|
| Type: | OZD 485 G12-1300 PRO |
| Name: | OZD 485 G12-1300 PRO |
| Description: | Interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for plastic FO; short-haul version |
| Part Number: | 943 895-321 |
| Port type and quantity: | 2 x optical: BFOC 2.5 (STR) socket; 1 x electrical: 6-pin terminal block |

More Interfaces

| | |
|--------------------|----------------------|
| Signaling contact: | 7-pin terminal block |
| Voltage output: | 3-pin terminal block |

Network size - length of cable

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|-----------------------------------|--|
| Single mode fiber (SM) 9/125 µm: | 22 km, 13 dB link budget at 1310 nm; A = 0.5 dB/km |
| Multimode fiber (MM) 50/125 µm: | 16000 m, 18 dB link budget at 1310 nm; A = 1,0 dB/km |
| Multimode fiber (MM) 62.5/125 µm: | 16000 m, 18 dB link budget at 1310 nm; A = 1.0 dB/km |
| System delay time: | 1,56 us |

Power requirements

| | |
|-----------------------|--|
| Current consumption: | max. 200 mA |
| Input voltage range: | -7 V ... +12 V |
| Operating Voltage: | 18 ... 32 VDC (typ. 24 VDC) |
| Power consumption: | max 3.5 W |
| Redundancy functions: | redundant ring, redundant power supply |

Ambient conditions

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|-------------------------------------|------------|
| Operating temperature: | -25-+70 °C |
| Storage/transport temperature: | -25-+80 °C |
| Relative humidity (non-condensing): | 0-95 % |

Mechanical construction

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|---------------------|-------------------------|
| Dimensions (WxHxD): | 35 mm x 163 mm x 119 mm |
| Weight: | 215 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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