



## Part Number: 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

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 µs

#### 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

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

#### Mechanical construction

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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