



Product information
OZD 485 G12-1300 PRO
943 895-321

Name		OZD 485 G12-1300 PRO
		
		interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass F0; electrical full duplex or semi-duplex mode; long-haul version
Delivery informations		
Availability		available
Product description		
Description		interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass F0; electrical full duplex or semi-duplex mode; long-haul version
Port type and quantity		2 x optical: BFOC 2.5 (STR) socket; 1 x electrical: 6-pin terminal block
Type		OZD 485 G12-1300 PRO
Order No.		943 895-321
Electrical interface		
Signal type		RS 485
Input resistance		10 kOhm
Input voltage range		-7 V ... +12 V
Jitter		typ. 10 nspp
Distortion of bit duration		typ. 1 nspp
Bit rate		0 to 1.5 Mbit/s NRZ
Optical interface		
Wavelength		1310 nm
Optical input power		-31 dBm
More Interfaces		
Power supply		7-pin terminal block
Signaling contact		7-pin terminal block
Voltage output		3-pin terminal block
Network size - length of cable		
Single mode fiber (SM) 9/125 µm		22000 m 13 dB link budget at 1310 nm; A = 0.5 dB/km, 2 dB reserve
Multimode fiber (MM) 50/125 µm		16000 m 18 dB link budget at 1310 nm; A = 1.0 dB/km, 2 dB reserve
Multimode fiber (MM) 62.5/125 µm		16000 m 18 dB link budget at 1310 nm; A = 1.0 dB/km, 2 dB reserve
System delay time		<1.56 us
Power requirements		
Operating voltage		18 ... 32 VDC (typ. 24 VDC)
Current consumption		140 mA at 24 VDC, 65 mA at 32 VDC
Power consumption		<3.5 W
Redundancy		
Redundancy functions		redundant ring, redundant power supply
Ambient conditions		
Operating temperature		-25 °C to +70 °C
Storage/transport temperature		-25 °C to +80 °C
Relative humidity		<95% (non-condensing)
Mechanical construction		
Dimensions (W x H x D)		35 x 163 x 119
Mounting		DIN rail

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



Weight	
	215 g
Protection class	
	IP 20
Housing material	
	plastics
Approvals	
Issued or requested approvals	cUL508, cUL1604 Class1, Div. 2, Groups A,B,C and D; according to directive 94/9/EG (ATEX 95); Ex II 3 G (Zone 2); C-Tick
Scope of delivery and accessories	
Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 039 516-001

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