



**Product information**  
**OZD 485 G12 PRO**

<b>Name</b>	
OZD 485 G12 PRO	
	
interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass F0; electrical full duplex or semi-duplex mode	
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	interface converter electrical/optical for RS 485 field bus networks; repeater function; for quartz glass F0; electrical full duplex or semi-duplex mode
<b>Port type and quantity</b>	2 x optical: BFOC 2.5 (STR) socket; 1 x electrical: 12-pin terminal block
<b>Type</b>	OZD 485 G12 PRO
<b>Order No.</b>	943 894-321
<b>Electrical interface</b>	
<b>Signal type</b>	RS 485
<b>Input resistance</b>	10 kOhm
<b>Input voltage range</b>	-7 V ... +12 V
<b>Jitter</b>	typ. 10 nspp
<b>Distortion of bit duration</b>	typ. 1 nspp
<b>Bit rate</b>	0 to 1.5 Mbit/s NRZ
<b>Optical interface</b>	
<b>Wavelength</b>	860 nm
<b>Optical input power</b>	-30 dBm
<b>More interfaces</b>	
<b>Power supply</b>	7-pin terminal block
<b>Signaling contact</b>	7-pin terminal block
<b>Voltage output</b>	3-pin terminal block
<b>Network size - length of cable</b>	
<b>Single mode fiber (SM) 9/125 µm</b>	-
<b>Multimode fiber (MM) 50/125 µm</b>	2300 m 10 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
<b>Multimode fiber (MM) 62.5/125 µm</b>	3100 m 14 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
<b>System delay time</b>	<1,56 us
<b>Power requirements</b>	
<b>Operating voltage</b>	18 ... 32 VDC (typ. 24 VDC)
<b>Current consumption</b>	140 mA at 24 VDC, 65 mA at 32 VDC
<b>Power consumption</b>	<3.5 W
<b>Redundancy</b>	
<b>Redundancy functions</b>	redundant ring, redundant power supply
<b>Ambient conditions</b>	
<b>Operating temperature</b>	-25 °C to +70 °C
<b>Storage/transport temperature</b>	-25 °C to +80 °C
<b>Relative humidity</b>	<95% (non-condensing)
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	35 x 156 x 119
<b>Mounting</b>	DIN rail
<b>Weight</b>	195 g
<b>Protection class</b>	IP 20
<b>Housing material</b>	plastics

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.



**Approvals**

<b>Safety of information technology equipment</b>	cUL 508
<b>Hazardous locations</b>	ISA 12.12.01 Class 1 Div. 2; ATEX 100a, Zone 2
<b>Issued or requested approvals</b>	C-Tick
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, start-up instructions
<b>Accessories to order separately</b>	manual, order no. 039 516-001

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