




Product information
OZD Profi 12M G12
943 727-321

Name		OZD Profi 12M G12
		
		interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; approval for Ex-zone 2 (Class 1, Div. 2)
Delivery informations		
Availability		available
Product description		
Description		interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; approval for Ex-zone 2 (Class 1, Div. 2)
Port type and quantity		2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Sub-D 9-pin, female, pin assignment according to EN 50170 part 1
Type		OZD Profi 12M G12
Order No.		943 727-321
Electrical interface		
Signal type		PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)
Bit rate		9.6; 19.2; 45.45; 93.75; 187.5; 500 kbit/s; 1.5; 3; 6; 12 Mbit/s (automatic setting)
Signal delay time (optional input/output)		<= 6.5 bit times
Input/output signal		RS 485 level
Input voltage range		-7 V ... +12 V
Galvanic isolation		no
Optical interface		
Wavelength		860 nm
Cascadability		not limited
More Interfaces		
Power supply		5-pin terminal block, screw mounting
Signaling contact		5-pin terminal block, screw mounting
Measuring outputs "Optical input power"		2 mm sockets
Network size - length of cable		
Single mode fiber (SM) 9/125 µm		-
Multimode fiber (MM) 50/125 µm		3000 m 13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm		3000 m 15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
Multimode fiber HCS (MM) 200/230 µm		1000 m 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve
Multimode fiber POF (MM) 980/1000 µm		-
Power requirements		
Operating voltage		18 ... 32 VDC, typ. 24 VDC
Galvanic isolation		yes
Current consumption		max. 200 mA
Power consumption		4.8 W
Output voltage/output current (pin6)		5 VDC +5%, -10%, short circuit-proof/90 mA
Redundancy		
Redundancy functions		HIPER-Ring (ring structure), redundant 24 V infeed
Ambient conditions		
Operating temperature		0 °C to +60 °C
Storage/transport temperature		-40 °C to +70 °C
Relative humidity		<95% (non-condensing)

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.



Mechanical construction

Dimensions (W x H x D)	40 x 140 x 77.5 mm
Mounting	DIN rail or mounting plate
Weight	500 g
Protection class	IP 40
Housing material	die-cast zinc

Approvals

Hazardous locations	ATEX 100a, Zone 2
Issued or requested approvals	FM Class 1, Div. 2; C-Tick

Scope of delivery and accessories

Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 039 629-001