



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Product information

OZD Profi 12M G12 - Predecessor - OZD Profi 12M G12

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi 12M G12 - Predecessor

<https://e-catalog.beldensolutions.com:443/link/57078-57141-57128-57129-38146/en/conf/ui/istate>

Name	OZD Profi 12M G12 - Predecessor
	
	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
will be replaced by	OZD Profi 12M G12
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



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Relative humidity	<95% (non-condensing)
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	
Safety of information technology equipment	cUL1950
Hazardous locations	ATEX Zone 2, FM3611 class1 div.2
Scope of delivery and accessories	
Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 039 629-001

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