



## Product information OZD Modbus Plus G12-1300

Fiber Interfaces:Fieldbus Repeater:Modbus Plus LWL-Repeater:OZD Modbus Plus G12-1300

<http://www.e-catalog.beldensolutions.com/link/57078-57141-57128-57133-38167/en/conf/uistate>

Name	OZD Modbus Plus G12-1300
	
	interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass FO; long-haul version
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass FO; long-haul version
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 Modbus Plus-Standard
Type	OZD Modbus Plus G12-1300
Order No.	943 821-021
<b>Electrical interface</b>	
Signal type	Modbus Plus
Bit rate	1 Mbit/s
Signal delay time (optional input/output)	<1 µs
Input/output signal	Modbus Plus Bus
Length of Modbus cable	100 m
Connection capability	max. 31 terminal devices
Terminator	external
Galvanic isolation	shielding/housing: no; data lines/housing: yes
<b>Optical interface</b>	
Wavelength	1310 nm
Cascadability	not limited
<b>More Interfaces</b>	
Power supply	5-pin terminal block, screw mounting
Signaling contact	5-pin terminal block, screw mounting
<b>Network size - length of cable</b>	
Single mode fiber (SM) 9/125 µm	8000 m 8 dB link budget at 1310 nm; A = 0.5 dB/km, 2 dB reserve
Multimode fiber (MM) 50/125 µm	7000 m 10 dB link budget at 1310 nm; A = 1 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm	7000 m 10 dB link budget at 1310 nm; A = 1 dB/km, 3 dB reserve
Multimode fiber HCS (MM) 200/230 µm	-
<b>Power requirements</b>	
Operating voltage	24 VDC -20% ... 48 VDC +10% non-interchangeable, safety extra-low voltage
Current consumption	120 mA at +24 VDC; 65 mA at + 48 VDC
Power consumption	3.1 W
<b>Redundancy</b>	
Redundancy functions	HIPER-Ring (ring structure), redundant 24 V infeed
<b>Ambient conditions</b>	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-40 °C to +70 °C
Relative humidity	<95% (non-condensing)
<b>Mechanical construction</b>	
Dimensions (W x H x D)	40 x 111 x 73.5 mm
Mounting	DIN rail or mounting plate



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Weight	620 g
Protection class	IP 40
Housing material	die-cast zinc
<b>Approvals</b>	
Issued or requested approvals	C-Tick
<b>Scope of delivery and accessories</b>	
Scope of delivery	device, start-up instructions
Accessories to order separately	manual, order no. 933 989-901

For more information please contact:

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