



## Product information OZD Modbus Plus G12

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

<http://www.e-catalog.beldensolutions.com/link/57078-57141-57128-57133-38166/en/conf/ui/istate>

<b>Name</b>	OZD Modbus Plus G12
	
	interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass und PCF (HCS) F0; approval for Ex-zone 2 (Class 1, Div. 2)
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass und PCF (HCS) F0; approval for Ex-zone 2 (Class 1, Div. 2)
<b>Port type and quantity</b>	2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Sub-D 9-pin, female, pin assignment according to Modbus Plus-Standard
<b>Type</b>	OZD Modbus Plus G12
<b>Order No.</b>	943 740-021
<b>Electrical interface</b>	
<b>Signal type</b>	Modbus Plus
<b>Bit rate</b>	1 Mbit/s
<b>Signal delay time (optional input/output)</b>	<1 µs
<b>Input/output signal</b>	Modbus Plus Bus
<b>Length of Modbus cable</b>	100 m
<b>Connection capability</b>	max. 31 terminal devices
<b>Terminator</b>	external
<b>Galvanic isolation</b>	shielding/housing: no; data lines/housing: yes
<b>Optical interface</b>	
<b>Wavelength</b>	860 nm
<b>Cascadability</b>	not limited
<b>More Interfaces</b>	
<b>Power supply</b>	5-pin terminal block, screw mounting
<b>Signaling contact</b>	5-pin terminal block, screw mounting
<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>	2300 m 11 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
<b>Multimode fiber HCS (MM) 200/230 µm</b>	1500 m 16 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve
<b>Power requirements</b>	
<b>Operating voltage</b>	24 VDC -20% ... 48 VDC +10% non-interchangeable, safety extra-low voltage
<b>Current consumption</b>	120 mA at +24 VDC; 65 mA at + 48 VDC
<b>Power consumption</b>	3.1 W
<b>Redundancy</b>	
<b>Redundancy functions</b>	HIPER-Ring (ring structure), redundant 24 V infeed
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C to +60 °C
<b>Storage/transport temperature</b>	-40 °C to +70 °C
<b>Relative humidity</b>	<95% (non-condensing)
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	40 x 111 x 73.5 mm



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<b>Mounting</b>	DIN rail or mounting plate
<b>Weight</b>	620 g
<b>Protection class</b>	IP 40
<b>Housing material</b>	die-cast zink
<b>Approvals</b>	
<b>Issued or requested approvals</b>	cUL Class 1, Div.2: 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. 933 989-901

For more information please contact:

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