



**Product:** [OZD Modbus Plus G12](#) 

New generation: interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass und PCF (HCS) FO

**Product Description**

New generation: interface converter electrical/optical for Modbus Plus-field bus networks; repeater function; for quartz glass und PCF (HCS) FO

**Technical Specifications**

**Product description**

Type:	OZD Modbus Plus G12
Name:	OZD Modbus Plus G12
Description:	New generation: interface converter electrical/optical for Modbus Plus-field bus networks repeater function for quartz glass und PCF (HCS) FO
Part Number:	942148010
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
Signal Type:	Modbus Plus

**More Interfaces**

Power Supply:	8-pin terminal block, screw mounting
Signaling contact:	8-pin terminal block, screw mounting

**Network size - length of cable**

Multimode fiber (MM) 50/125 µm:	2300 m 10 dB link budget at 860 nm A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm:	2300 m 11 dB link budget at 860 nm A = 3.5 dB/km, 3 dB reserve
Multimode fiber HCS (MM) 200/230 µm:	1500 m 16 dB link budget at 860 nm A = 8 dB/km, 3 dB reserve

**Power requirements**

Current consumption:	160 mA
Operating Voltage:	24 VDC (18 ... 32 VDC), reverse polarity protected, safety extra-low voltage
Power consumption:	3.9 W
Redundancy functions:	HIPER-Ring (ring structure), redundant 24 V infeed

**Ambient conditions**

Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+70 °C
Relative humidity (non-condensing):	5-95 %

**Mechanical construction**

Dimensions (WxHxD):	40 x 111 x 73.5 mm
Weight:	620 g
Housing Material:	die-cast zink
Mounting:	DIN rail or mounting plate
Protection class:	IP40

**Approvals**

Basis Standard:	EU Conformity, FCC Conformity, AUS Conformity Australia
Safety of industrial control equipment:	cUL61010-2-201

Hazardous locations:	ISA 12.12.01 Class 1 Div. 2, ATEX Zone 2
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**Scope of delivery and accessories**

Scope of delivery:	device, start-up instructions
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