



Product: [OZD Genius G12-1300](#) 

New generation: interface converter electrical/optical for Genius field bus networks; repeater function; for quartz glass FO

Product Description

New generation: interface converter electrical/optical for Genius field bus networks; repeater function; for quartz glass FO

Technical Specifications

Product description

Type:	OZD Genius G12-1300
Name:	OZD Genius G12-1300
Description:	New generation: interface converter electrical/optical for Genius field bus networks repeater function for quartz glass FO
Part Number:	942148013
Port type and quantity:	2 x optical: 4 sockets BFOC 2.5 (STR) 1 x electrical: 4-pin connector, screw mounting

More Interfaces

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

Network size - length of cable

Single mode fiber (SM) 9/125 µm:	10000 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

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:	500 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

Scope of delivery and accessories

Scope of delivery:	device, start-up instructions
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