




**Product information**

**OZD FIP G3**

**933 847-421**

Name	
Name	OZD FIP G3
	
	interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO
Delivery informations	
Availability	available
Product description	
Description	interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO
Port type and quantity	2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Sub-D 9-pin, male, pin assignment acc. to French Standard NF-C 46-604
Type	OZD FIP G3
Order No.	933 847-421
Electrical interface	
Signal type	World FIP
Bit rate	1 Mbit/s
Signal delay time (optional input/output)	<1 µs
Input/output signal	FIP Bus
Length of FIP cable	100 m
Connection capability	max. 16 terminal data devices
Terminator	no
Galvanic isolation	shielding/housing: no; data lines/housing: yes
Optical interface	
Wavelength	860 nm
Cascadability	at a maximal line attenuation of the optical network with fiber G 50/125: 0 ... 60 dB with fiber G 62.5/125: 0 ... 75 dB with fiber S 200/230: 0 ... 60 dB
More Interfaces	
Power supply	5-pin terminal block, screw mounting
Signaling contact	5-pin terminal block, screw mounting
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	2500 m 11 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm	2500 m 12 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	
Operating voltage	24 VDC -20% ... 48 VDC +10% non-interchangeable, safety extra-low voltage
Current consumption	150 mA at +24 VDC; 85 mA at + 48 VDC
Power consumption	4.1 W
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
Relative humidity	<95% (non-condensing)

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



#### Mechanical construction

**Dimensions (W x H x D)** 40 x 111 x 73.5 mm

**Mounting** DIN rail or mounting plate

**Weight** 500 g

**Protection class** IP 40

**Housing material** die-cast zinc

#### Approvals

**Issued or requested approvals** C-Tick

#### Scope of delivery and accessories

**Scope of delivery** device, start-up instructions

**Accessories to order separately** manual, order no. 933 847-901