




**Product information**  
**OZD FIP G3 T**  
**933 847-521**

<b>Name</b>	
<b>Name</b>	OZD FIP G3 T
<b>Description</b>	
<b>Delivery informations</b>	interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO; integrated bus termination
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO; integrated bus termination
<b>Port type and quantity</b>	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
<b>Type</b>	OZD FIP G3 T
<b>Order No.</b>	933 847-521
<b>Electrical interface</b>	
<b>Signal type</b>	World FIP
<b>Bit rate</b>	1 Mbit/s
<b>Signal delay time (optional input/output)</b>	<1 µs
<b>Input/output signal</b>	FIP Bus
<b>Length of FIP cable</b>	100 m
<b>Connection capability</b>	max. 16 terminal data devices
<b>Terminator</b>	yes, 150 Ohm
<b>Galvanic isolation</b>	shielding/housing: no; data lines/housing: yes
<b>Optical interface</b>	
<b>Wavelength</b>	860 nm
<b>Cascadability</b>	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
<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>Multimode fiber (MM) 50/125 µm</b>	2500 m 11 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
<b>Multimode fiber (MM) 62.5/125 µm</b>	2500 m 12 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>	150 mA at +24 VDC; 85 mA at + 48 VDC
<b>Power consumption</b>	4.1 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)

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

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