




## Product information OZD FIP G3 T

Fiber Interfaces:Fieldbus Repeater:WorldFIP LWL-Repeater:OZD FIP G3 T

<http://e-catalog.hirschmann.com/link/57078-57141-57128-57132-38165/en/conf/uisstate>

|   |   |
|---|---|
| Name                                      | OZD FIP G3 T  |
|   |    |
|   | interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO; integrated bus termination                 |
| <b>Delivery informations</b>              |   |
| Availability                              | available   |
| <b>Product description</b>                |   |
| Description                               | interface converter electrical/optical for FIP-field bus networks; repeater function; for quartz glass und PCF (HCS) FO; integrated bus termination                 |
| Port type and quantity                    | 2 x optical: 4 sockets BFOC 2.5 (STR)<br>1 x electrical: Sub-D 9-pin, male, pin assignment acc. to French Standard NF-C 46-604                                      |
| Type                                      | OZD FIP G3 T  |
| Order No.                                 | 933 847-521   |
| <b>Electrical interface</b>               |   |
| 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                                | yes, 150 Ohm  |
| Galvanic isolation                        | shielding/housing: no; data lines/housing: yes  |
| <b>Optical interface</b>                  |   |
| Wavelength                                | 860 nm  |
| Cascadability                             | at a maximal line attenuation of the optical network<br>with fiber G 50/125: 0 ... 60 dB<br>with fiber G 62.5/125: 0 ... 75 dB<br>with fiber S 200/230: 0 ... 60 dB |
| <b>More Interfaces</b>                    |   |
| Power supply                              | 5-pin terminal block, screw mounting  |
| Signaling contact                         | 5-pin terminal block, screw mounting  |
| <b>Network size - length of cable</b>     |   |
| Multimode fiber (MM) 50/125 µm            | 2500 m<br>11 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve  |
| Multimode fiber (MM) 62.5/125 µm          | 2500 m<br>12 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve  |
| Multimode fiber HCS (MM) 200/230 µm       | 1500 m<br>16 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve  |
| <b>Power requirements</b>                 |   |
| 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   |
| <b>Redundancy</b>                         |   |
| Redundancy functions                      | HIPER-Ring (ring structure), redundant 24 V infeed  |
| <b>Ambient conditions</b>                 |   |
| Operating temperature                     | 0 °C to +60 °C  |
| Storage/transport temperature             | -40 °C to +70 °C  |
| Relative humidity                         | <95% (non-condensing)   |



# HIRSCHMANN

A BELDEN BRAND

Fiber Interfaces:Fieldbus Repeater:WorldFIP LWL-Repeater:OZD FIP G3 T

<http://e-catalog.hirschmann.com/link/57078-57141-57128-57132-38165/en/conf/uistate>

#### 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 |

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.