




## Product information M-FAST SFP-SM/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40590/en/conf/ui/state>

|   |  |
|---|--|
| Name  | M-FAST SFP-SM/LC EEC   |
|   |   |
|   | SFP Fiberoptic Fast-Ethernet Transceiver   |
| <b>Delivery informations</b>                            |  |
| Availability  | available  |
| <b>Product description</b>                              |  |
| Description   | SFP Fiberoptic Fast-Ethernet Transceiver   |
| Port type and quantity                                  | 1 x 100 BASE-FX with LC connector  |
| Type  | M-FAST SFP-SM/LC EEC   |
| Order No.   | 943 946-001  |
| <b>Network size - length of cable</b>                   |  |
| Multimode fiber (MM) 50/125 µm                          | -  |
| Multimode fiber (MM) 62.5/125 µm                        | -  |
| Single mode fiber (SM) 9/125 µm                         | 0 - 25 km 0 - 13 dB link budget bei 1310nm A = 0.4 dB/km, 3 dB Reserve, B = 800 MHz x km   |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | -  |
| <b>Power requirements</b>                               |  |
| Operating voltage                                       | power supply via the switch  |
| Power consumption                                       | 1 W  |
| <b>Service</b>  |  |
| Diagnostics   | optical input- and output power, transceiver temperature   |
| <b>Ambient conditions</b>                               |  |
| Operating temperature                                   | -40 °C to +85 °C   |
| Storage/transport temperature                           | -40°C to +85°C   |
| Relative humidity (non-condensing)                      | 10% to 95%   |
| MTBF  | 652 years; Telcordia SR-332  |
| <b>Mechanical construction</b>                          |  |
| Dimensions (W x H x D)                                  | 20 mm x 18 mm x 50 mm  |
| Mounting  | SFP slot   |
| Weight  | 40 g   |
| Protection class  | IP 20  |
| <b>Mechanical stability</b>                             |  |
| IEC 60068-2-27 shock                                    | 15 g, 11 ms duration, 18 shocks  |
| IEC 60068-2-6 vibration                                 | 1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7g, 13,2 Hz - 100 Hz, 90 min.; 3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min. |
| <b>EMC interference immunity</b>                        |  |
| EN 61000-4-2 electrostatic discharge (ESD)              | 6 kV contact discharge, 8 kV air discharge   |
| EN 61000-4-3 electromagnetic field                      | 10 V/m (80 - 1000 MHz)   |
| EN 61000-4-4 fast transients (burst)                    | 2 kV power line, 1 kV data line  |
| EN 61000-4-5 surge voltage                              | power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line   |
| EN 61000-4-6 conducted immunity                         | 3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)  |
| <b>EMC emitted immunity</b>                             |  |
| FCC CFR47 Part 15                                       | FCC CFR47 Part 15 Class A  |
| EN 55022  | EN 55022 Class A   |
| <b>Approvals</b>  |  |
| Safety of information technology equipment              | cUL 60950-1  |
| Shipbuilding  | Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA   |

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**Scope of delivery and accessories**

|  |            |
|--|------------|
| <b>Scope of delivery</b>               | -          |
| <b>Accessories to order separately</b> | SFP module |

For more information please contact:

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