### Product information

**M-FAST SFP-LH/LC**

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


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### Delivery information

- **Availability:** available

### Product description

- **Description:** SFP Fiberoptic Fast-ETHERNET Transceiver

### Port type and quantity

- 1 x 100 BASE-FX with LC connector

### Type

- M-FAST SFP-LH/LC

### Order No.

- 943 868-001

### Network size - length of cable

- Multimode fiber (MM) 50/125 µm
- Multimode fiber (MM) 62.5/125 µm

- Single mode fiber (LH) 9/125 µm (long haul transceiver) 47 - 104 km 10 - 29 dB link budget bei 1550 nm A = 0.25 dB/km, 2 dB Reserve, D = 19 ps/(nm x km)

### Power requirements

- Operating voltage: power supply via the switch
- Power consumption: 1 W

### Service

- **Diagnostics:** optical input- and output power, transceiver temperature

### Ambient conditions

- **Operating temperature:** 0°C to +60°C
- **Storage/transport temperature:** -40°C to +85°C
- **Relative humidity (non-condensing):** 10% to 95%
- **MTBF:** 387 years, Telcordia SR-332

### Mechanical construction

- **Dimensions (W x H x D):** 20 mm x 18 mm x 50 mm
- **Mounting:** SFP slot
- **Weight:** 40 g
- **Protection class:** IP 20

### Mechanical stability

- **IEC 60948-2-27 shock:** 15 g, 11 ms duration, 18 shocks
- **IEC 60948-2-6 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 oktave/min.; 1 g, 9 Hz - 150 Hz, 10 cycles, 1 oktave/min.

### EMC interference immunity

- **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)

### EMC emitted immunity

- **FCC CFR47 Part 15:** FCC CFR47 Part 15 Class A
- **EN 55022:** EN 55022 Class A

### Approvals

- **Safety of information technology equipment:** n/a
- **Shipbuilding:** Germanischer Lloyd

### Scope of delivery and accessories

- **Scope of delivery:** -


Accessories to order separately

SFP module

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