## Product information

### M-FAST SFP-MM/LC

**Industrial Ethernet:** System Accessories: Fiber optic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-MM/LC


| Name              | M-FAST SFP-MM/LC

### Delivery informations

**SFP Fiber optic Fast-ETHERNET Transceiver**

**Availability**

available

**Product description**

SFP Fiber optic Fast-ETHERNET Transceiver

**Port type and quantity**

1 x 100 BASE-FX with LC connector

**Type**

M-FAST SFP-MM/LC

**Order No.**

943 865-001

### Network size - length of cable

| Multimode fiber (MM) 50/125 μm | 0 - 5000 m 0 - 8 dB link budget bei 1310 nm A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km |
| Multimode fiber (MM) 62.5/125 μm | 0 - 4000 m 0 - 11 dB link budget bei 1310 nm A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km |
| Single mode fiber (SM) 9/125 μm | - |
| Single mode fiber (LH) 9/125 μm (long haul transceiver) | - |

### 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% bis 95%

**MTBF**

514 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 60068-2-27 shock**
  15 g, 11 ms duration 16 shocks

- **IEC 60068-2-6 vibration**
  1 mm, 2 Hz - 13.2 Hz, 90 mm; 0.7 g, 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.

**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**
  6 kV (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**

Germanischer Lloyd

**Scope of delivery and accessories**

- **Shipbuilding**

**Scope of delivery**

-


Accessories to order separately: SFP modules

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