

**HIRSCHMANN**

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## Product information

### M-SFP-MX/LC EEC - M-SFP-MX/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Gigabit-Ethernet Transceiver for media module: M-SFP-MX/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24529-402516/tr/cont/uistate>

| Name                                                    | M-SFP-MX/LC EEC                                                                                                                                         |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                         |                                                                        |
|                                                         | SFP Fiberoptic Gigabit Ethernet Transceiver for: All switches with Gigabit Ethernet SFP slot.                                                           |
| <b>Delivery informations</b>                            |                                                                                                                                                         |
| Availability                                            | available                                                                                                                                               |
| <b>Product description</b>                              |                                                                                                                                                         |
| Description                                             | SFP Fiberoptic Gigabit Ethernet Transceiver for: All switches with Gigabit Ethernet SFP slot.                                                           |
| Port type and quantity                                  | 1 x 1000BASE-LX with LC connector                                                                                                                       |
| Type                                                    | M-SFP-MX/LC EEC                                                                                                                                         |
| Order No.                                               | 942 108-001                                                                                                                                             |
| <b>Network size - length of cable</b>                   |                                                                                                                                                         |
| Multimode fiber (MM) 50/125 µm                          | 0 - 1,5 km, 0 - 12 dB Link Budget bei 1310 nm, A = 1 dB/km, B = 500 MHz x km                                                                            |
| Multimode fiber (MM) 62.5/125 µm                        | 0 - 0.5 km, 0 - 12 dB Link Budget bei 1310 nm, A = 1 dB/km, B = 500 MHz x km                                                                            |
| Single mode fiber (SM) 9/125 µm                         | n/a                                                                                                                                                     |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | n/a                                                                                                                                                     |
| <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 +70 °C                                                                                                                                        |
| Storage/transport temperature                           | -40°C to +85°C                                                                                                                                          |
| Relative humidity (non-condensing)                      | 10% to 95%                                                                                                                                              |
| MTBF                                                    | n/a                                                                                                                                                     |
| <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>Scope of delivery and accessories</b>                |                                                                                                                                                         |
| Scope of delivery                                       | SFP module                                                                                                                                              |



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