




## Product information M-SFP-LH/LC

Industrial Ethernet: System Accessories: Transceiver: Gigabit Ethernet SFP Transceiver: M-SFP-LH/LC

<http://dev-catalog.beldensolutions.com/link/57078-24455-24544-24535-24529-38629/en/conf/uistate>

|   |  |
|---|--|
| Name  | M-SFP-LH/LC  |
|   |   |
|   | SFP Fiberoptic Gigabit Ethernet Transceiver with LC connector for all switches with Gigabit Ethernet SFP slot  |
| <b>Delivery informations</b>                            |  |
| Availability  | available  |
| <b>Product description</b>                              |  |
| Description   | SFP Fiberoptic Gigabit Ethernet Transceiver with LC connector for all switches with Gigabit Ethernet SFP slot  |
| Port type and quantity                                  | 1 x 1000BASE-LX with LC connector  |
| Type  | M-SFP-LH/LC  |
| Order No.   | 943 042-001  |
| <b>Network size - length of cable</b>                   |  |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | 16 -80 km<br>6 - 22 dB link budget at 1550 nm<br>A = 0.25 dB/km, 2 dB reserve, D = 19 ps/(nm x km)   |
| <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                                   | 0 °C to +60 °C   |
| Storage/transport temperature                           | -25 °C to +70 °C   |
| Relative humidity (non-condensing)                      | 5% to 95%  |
| <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   |
| <b>Scope of delivery and accessories</b>                |  |
| Scope of delivery                                       | SFP module   |



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