


Product information M-SFP-LH/LC

| Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Gigabit-Ethernet Transceiver for media module: M-SFP-LH/LC | |
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| Name | M-SFP-LH/LC |
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| | SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION. |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION. |
| Port type and quantity | 1 x 1000BASE-LX with LC connector |
| Type | M-SFP-LH/LC |
| Order No. | 943 042-001 |
| Network size - length of cable | |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | 16 - 80 km 6 - 22 dB link budget at 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 | -25 °C to +70 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| 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, 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. |
| 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 | cUL 60950-1 |
| Shipbuilding | Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA |



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Scope of delivery and accessories

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|-------------------|------------|
| Scope of delivery | SFP module |
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