



HIRSCHMANN

A BELDEN BRAND

Product information M-SFP-LX/LC

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

Name M-SFP-LX/LC



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-LX/LC

Order No. 943 015-001

Network size - length of cable

Multimode fiber (MM) 50/125 µm
0 - 550 m,
0 - 11 dB link budget at 1310 nm
A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
With f/o adapter in line with IEEE 802.3-2000 clause 38 (single-mode fiber offset-launch mode conditioning patch cord)

Multimode fiber (MM) 62.5/125 µm
0 - 550 m, 0 - 11 dB link budget at 1310 nm A = 1 dB/km, 3 dB reserve, B = 500 MHz x km With f/o adapter in line with IEEE 802.3-2000 clause 38 (single-mode fiber offset-launch mode conditioning patch cord)

Single mode fiber (SM) 9/125 µm
0 m - 20 km,
0 - 11 dB link budget at 1310 nm
A = 0.4 dB/km, 3 dB reserve, D = 3.5 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 13 888 889 Heures

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)

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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

Scope of delivery and accessories

Scope of delivery	SFP module
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