

Product information

M-SFP-LX/LC

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

<https://e-catalog.hirschmann.com:443/link/57078-24455-24544-24535-24529-38628/en/conf/uistate>

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		1585 years
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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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

Scope of delivery and accessories

Scope of delivery SFP module

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