

Product: M-SFP-LX+/LC ☑

SFP Fiberoptic Gigabit Ethernet Transceiver SM



Product Description

SFP Fiberoptic Gigabit Ethernet Transceiver SM with LC connector

Technical Specifications

Product description

Туре:	M-SFP-LX+/LC, SFP Transceiver
Description:	SFP Fiberoptic Gigabit Ethernet Transceiver SM
Part Number:	942023001
Port type and quantity:	1 x 1000 Mbit/s with LC connector

Network size - length of cable

Cable Length of 9/125 µm Single Mode Fiber: 14 - 42 km (Link Budget at 1310 nm = 5 - 20 dB; A = 0,4 dB/km; D = 3,5 ps/(nm*km))

Power requirements

Operating Voltage:	power supply via the switch
Power Consumption:	1 W

Software

Diagnostics:

Optical input and output power, transceiver temperature

Ambient conditions

MTBF (Telecordia SR-332 Issue 3) @ 25°C:	856 Years
Operating Temperature:	0-+60 °C
Minimum Storage Temperature:	-40-+85 °C
Non-Condensing Relative Humidity:	5-95 %

Mechanical construction

Dimensions (WxHxD):	13.4 mm x 8.5 mm x 56.5 mm
Weight:	60 g
Mount Type:	SFP slot
IP Protection Rating:	IP20

Mechanical stability

IEC 60068-2-6 vibration:	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

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)
3	
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), 1 kV data line
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EN 61000-4-6 Conducted Immunity:	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55022:	EN 55022 Class A	
FCC 47CFR Part 15:	FCC 47CFR Part 15, Class A	
Approvals		
Safety of information technology equipment:	EN60950	
Laser Protection:	class 1 according to IEC60825-1	
Hazardous locations:	depending on deployed switch	
Shipbuilding:	depending on deployed switch	
Reliability		
Guarantee:	24 months (please refer to the terms of guarantee for detailed information)	
Scope of delivery and accessories		

Scope of delivery:

SFP module

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html
History	

Update and Revision:

Revision Number: 0.115 Revision Date: 04-02-2025

Variants

 Item #
 Type

 942023001
 M-SFP-LX+/LC

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