

Product: M-SFP-MX/LC EEC ☑



SFP Fiberoptic Gigabit Ethernet Transceiver MM, extended temperature range

Product Description

SFP Fiberoptic Gigabit Ethernet Transceiver MM with LC connector, extended temperature range

Technical Specifications

Product description

Туре:	M-SFP-MX/LC EEC	
Description:	P Fiberoptic Gigabit Ethernet Transceiver MM, extended temperature range	
Part Number:	942108001	
Port type and quantity:	1 x 1000 Mbit/s with LC Connector	

Network size - length of cable

Multimode fiber (MM) 50/125 μm:	0 - 1,5 km (Link Budget at 1310 nm = 0 - 12 dB; A = 1 dB/km, BLP = 800 MHz*km)	
Multimode fiber (MM) 62.5/125 µm:	node fiber (MM) 62.5/125 μm: 0 - 500 m (Link Budget at 1310 nm = 0 - 12 dB; A = 1 dB/km, B = 500 MHz*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:	607 Years
Operating temperature:	-40-+85 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	13.4 mm x 8.5 mm x 56.5 mm	
Weight:	30 g	
Mounting:	SFP slot	
Protection class:	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:	0 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), 1 kV data line	

EN 04000 4 0 0 de -t- d lit	0.V (40 H = 450 H =) 40 V (450 H = 90 M =)
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 CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Safety of information technology equipment:	EN60950	
Hazardous locations:	depending on deployed switch	
Shipbuilding:	depending on deployed switch	

Reliability

Guarantee:	24 months (please refer to the terms of gu	arantee 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: 0.105 Revision Date: 04-17-2024

Variants

Item #	Туре
942108001	M-SFP-MX/LC EEC

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