

Product: M-SFP-2.5-SM-/LC EEC



SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver SM, extended temperature range

Product Description

SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver SM with LC connector, extended temperature range

Technical Specifications

Product description

Туре:	M-SFP-2.5-SM-/LC EEC
Description:	SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver SM, extended temperature range
Part Number:	942163001
Port type and quantity:	1 x 2500 Mbit/s with LC connector

Network size - length of cable

Single mode fiber (SM) 9/125 µm:	0 to 5 km, 1310 nm; 8.5 dB link budget; 0.55 dB/km; (GR-253 CORE)

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:	797 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:	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 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	

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:	uct Documentation: https://www.doc.hirschmann.com	
Certificates: https://www.doc.hirschmann.com/certificates.html		
History		
Update and Revision:	Revision Number: 0.94 Revision Date: 04-17-2024	

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Variants

 Item #
 Type

 942163001
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