

## Part Number: M-SFP-SX/LC

### SFP Fiberoptic Gigabit Ethernet Transceiver MM



#### Product Description

SFP Fiberoptic Gigabit Ethernet Transceiver MM with LC connector

#### Technical Specifications

##### Product description

Type:	M-SFP-SX/LC, SFP Transceiver SX
Part Number:	943 014-001
Port type and quantity:	1 x 1000 Mbit/s with LC connector

##### Network size - length of cable

Multimode fiber (MM) 50/125 $\mu\text{m}$ :	0 - 550 m (Link Budget at 850 nm = 0 - 7,5 dB; A = 3,0 dB/km; BLP = 400 MHz*km)
Multimode fiber (MM) 62.5/125 $\mu\text{m}$ :	0 - 275 m (Link Budget at 850 nm = 0 - 7,5 dB; A = 3,2 dB/km; BLP = 200 MHz*km)

##### Power requirements

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

##### Software

Diagnostics:	Optical input and output power, transceiver temperature
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##### Ambient conditions

MTBF (Telcordia SR-332: Gb 25 °C):	610 Years
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

##### Mechanical construction

Dimensions (WxHxD):	20 mm x 18 mm x 50 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):	$\pm 6$ kV contact discharge; $\pm 8$ 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), 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 47CFR Part 15:	FCC 47CFR Part 15, 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

## Scope of delivery and accessories

Scope of delivery:	SFP module
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## Variants

Item #	Type
943014001	M-SFP-SX/LC

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