

# Product: <u>SFP-10-SR/LC EEC</u> ☑



SFP Fiberoptic 10 Gigabit Ethernet Transceiver MM, extended temperature range

### **Product Description**

SFP Fiberoptic 10 Gigabit Ethernet Transceiver MM with LC connector, extended temperature range

### **Technical Specifications**

#### **Product description**

Description:	SFP Fiberoptic 10 Gigabit Ethernet Transceiver MM, extended temperature range
Part Number:	942326001
Port type and quantity:	1 x 10000 Mbit/s with LC connector

### Network size - length of cable

Multimode fiber (MM) 50/125 µm:	0-66 m (Link budget at 850nm = 0-8.1 db; 3.0 dB/km, 400 MHz*km 0-82 m (Link budget at 850nm = 0-8.1 db; 3.0 dB/km, 500 MHz*km (OM2) 0-300 m (Link budget at 850nm = 0-8.1 db; 3.0 dB/km, 2000 MHz*km (OM3)
Multimode fiber (MM) 62.5/125 µm:	0-26 m (Link budget at 850nm = 0-8.1 db; 3.2 dB/km, 160 MHz*km 0-33 m (Link budget at 850nm = 0-8.1 db; 3.2 dB/km, 200 MHz*km (OM1)

### **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:	610 Years
Operating temperature:	-40-+85 °C

## Mechanical construction

Relative humidity (non-condensing): 5-95 %

Storage/transport temperature:

-40-+85 °C

Dimensions (WxHxD):	20 mm x 18 mm x 50 mm
Weight:	74 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: 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 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 menths (places refer to the terms of guarantee for detailed information)
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: 0.16 Revision Date: 07-04-2023

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