

## Product: M-XFP-ZR/LC ☑



# XFP Fiberoptic 10Gigabit-Ethernet Transceiver SM

### **Product Description**

XFP Fiberoptic 10Gigabit-Ethernet Transceiver SM with LC connector

### **Technical Specifications**

### **Product description**

Туре:	M-XFP-ZR/LC
Description:	XFP Fiberoptic 10Gigabit-Ethernet Transceiver SM
Part Number:	943921001
Port type and quantity:	1 x 10000 Mbit/s with LC Connector

### **Product Life Cycle**

Availability:	Last order date: May 15, 2021
Last Order Date:	2021-05-15
Last Delivery Date:	2021-12-31

### Network size - length of cable

Single mode fiber (SM) 9/125 µm:	40 - 80 km (Link Budget at 1550 nm = 11- 24 dB; A = 0,25 dB/km; D = 19ps/(nm*km))

### **Power requirements**

Operating Voltage:	power supply via the switch
Power consumption:	3 W

### **Software**

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

MTBF (Telecordia SR-332 Issue 3) @ 25°C:	140 Years
Operating temperature:	0-+50 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

### **Mechanical construction**

Dimensions (WxHxD):	23 mm x 14 mm x 78 mm
Weight:	70 g
Mounting:	XFP 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

#### Scope of delivery and accessories

Scope of delivery:	XFP module

### **Further Instructions**

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

### **History**

Ī	Update and Revision:	Revision Number: 0.101 Revision Date: 05-02-2023	

#### Variants

Item #	Туре
943921001	M-XFP ZR/LC

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