




**Product:** [MM2-2FXM3/2TX1](#) 

Media module for MICE Switches (MS...), 100BASE-TX and 100BASE-FX multi-mode F/O

**Product Description**

Media module for MICE Switches (MS...), 100BASE-TX and 100BASE-FX multi-mode F/O

**Technical Specifications**

**Product description**

Type:	MM2-2FXM3/2TX1
Part Number:	943720101
Port type and quantity:	2 x 100BASE-FX, MM cables, MTRJ sockets, 2 x 10/100BASE-TX, TP cables, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

**Product Life Cycle**

Availability:	Passiv
Last Order Date:	2023-12-31
Last Delivery Date:	2024-06-30

**Network size - length of cable**

Twisted pair (TP):	0-100
Multimode fiber (MM) 50/125 µm:	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm:	0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km

**Power requirements**

Operating Voltage:	power supply via the backplane of the MICE switch
Power consumption:	3.8 W
Power output in BTU (IT)/h:	13.0 Btu (IT)/h

**Software**

Diagnostics:	LEDs (power, link status, data, 100 Mbit/s, auto-negotiation, full duplex, ring port, LED test)
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**Ambient conditions**

MTBF (MIL-HDBK 217F: Gb 25 °C):	48.7 Years
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+70 °C
Relative humidity (non-condensing):	10-95 %

**Mechanical construction**

Dimensions (WxHxD):	38 mm x 134 mm x 77 mm
Weight:	170 g
Mounting:	Backplane
Protection class:	IP 20

**Mechanical stability**

IEC 60068-2-6 vibration:	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 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), 1kV data line
EN 61000-4-6 Conducted Immunity:	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)

## EMC emitted immunity

EN 55032:	EN 55032 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

## Approvals

Basis Standard:	CE
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2
Shipbuilding:	DNV

## Reliability

Guarantee:	60 months (please refer to the terms of guarantee for detailed information)
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## Scope of delivery and accessories

Accessories to Order Separately:	ML-MS2/MM labels
Scope of delivery:	module, general safety instructions

## Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

## History

Update and Revision:	Revision Number: 0.86 Revision Date: 07-03-2024
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## Variants

Item #	Type
943720101	MM2-2FXM3/2TX1

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