



Product: [MM3-2FXM2/2TX1](#)

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:	MM3-2FXM2/2TX1
Part Number:	943761101
Port type and quantity:	2 x 100BASE-FX, MM cables, SC sockets, 2 x 10/100BASE-TX, TP cables, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

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):	79.9 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 118 mm
Weight:	180 g
Mounting:	Backplane
Protection class:	IP20

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
EN 55022:	EN 55022 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Basis Standard:	CE
Safety of industrial control equipment:	cUL508
Shipbuilding:	Navy DNVGL

Scope of delivery and accessories

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

Further Instructions

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

Variants

Item #	Type
943761101	MM3-2FXM2/2TX1

Update and Revision:	Revision Number: 0.35 Revision Date: 03-11-2021
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