




Product: [MM3-2FXM4/2TX1](#) 

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: | MM3-2FXM4/2TX1 |
| Part Number: | 943837101 |
| Port type and quantity: | 2 x 100BASE-FX, MM cables, ST sockets, 2 x 10/100BASE-TX, TP cables, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity |

Product Life Cycle

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|---------------------|------------|
| 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

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|-----------------------------|---|
| 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

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

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|-------------------------------------|------------|
| MTBF (MIL-HDBK 217F: Gb 25 °C): | 80.5 Years |
| Operating temperature: | 0-+60 °C |
| Storage/transport temperature: | -40-+70 °C |
| Relative humidity (non-condensing): | 10-95 % |

Mechanical construction

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|---------------------|-------------------------|
| Dimensions (WxHxD): | 38 mm x 134 mm x 118 mm |
| Weight: | 180 g |
| Mounting: | Backplane |
| Protection class: | IP20 |

Mechanical stability

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|--------------------------|--|
| 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

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|---|--------|
| Basis Standard: | CE |
| Safety of industrial control equipment: | cUL508 |
| Shipbuilding: | DNV |

Reliability

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

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|----------------------------------|-------------------------------------|
| 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 |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.84 Revision Date: 04-17-2024 |
|----------------------|---|

Variants

| Item # | Type |
|-----------|----------------|
| 943837101 | MM3-2FXM4/2TX1 |

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