




Product information MM4-4TX/SFP

Industrial Ethernet:Modular Industrial Switches:Media modules:Gigabit Ethernet MICE media modules:MM4-4TX/SFP

<http://e-catalog.hirschmann.com/link/57078-24455-49860-81778-24484-40334/en/conf/ui/istate>

| | |
|---|---|
| Name | MM4-4TX/SFP |
| |  |
| | Media module for MICE Switch MS4128,10/100/1000BASE-TX und 1000BASE-SX/LX |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | Media module for MICE Switch MS4128, 10/100/1000BASE-TX und 1000BASE-SX/LX |
| Port type and quantity | 4 x 1000BASE-fiber with SFP modules, or 4 x 10/100/1000BASE-TX, TP cable, RJ45-sockets, autocrossing, autoneg., autopolarity, any combination TX or SFP, 1 SFP deactivates 1TX, up to 4 ports |
| Type | MM4-4TX/SFP |
| Order No. | 943 010-001 |
| Network size - length of cable | |
| Twisted pair (TP) | 0 - 100 m |
| Multimode fiber (MM) 50/125 µm | cf. SFP module M-SFP-SX/LC and M-SFP-LX/LC |
| Multimode fiber (MM) 62.5/125 µm | cf. SFP module M-SFP-SX/LC and M-SFP-LX/LC |
| Single mode fiber (SM) 9/125 µm | cf. SFP module M-SFP-LX/LC |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | cf. SFP FO module M-SFP-LH/LC and M-SFP-LH+/LC |
| Power requirements | |
| Operating voltage | power supply via the backplane of the MICE switch |
| Power consumption | 2 W |
| Service | |
| Diagnostics | LEDs (power, link status, data, 1000 Mbit/s, auto-negotiation, full duplex, ring port, LED test) |
| Ambient conditions | |
| Operating temperature | 0 °C bis +60 °C standart (optional -40°C to +70°C) |
| Storage/transport temperature | -40 °C to +70 °C |
| Protective paint on PCB | optional |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 163 years; MIL-HDBK 217F: Gb 25 °C |
| Mechanical construction | |
| Dimensions (W x H x D) | 38 mm x 134 mm x 118 mm |
| Mounting | Backplane |
| Weight | 180 g |
| Protection class | IP 20 |
| Mechanical stability | |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |
| 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. |
| 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 | |
| FCC CFR47 Part 15 | FCC CFR47 Part 15 Class A |
| EN 55022 | EN 55022 Class A |

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Approvals

| | |
|---|-----------------------------|
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | ISA 12.12.01 Class 1 Div. 2 |
| Shipbuilding | Germanischer Lloyd |
| Railway norm | optional |
| Substation | optional |

Scope of delivery and accessories

| | |
|--|--------------------------|
| Scope of delivery | module, operating manual |
| Accessories to order separately | ML-MS2/MM labels |

For more information please contact:

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