




Product information
MM4-4TX/SFP
943 010-001

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

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



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

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