




Product information Fast Ethernet MSM Media Modules, standard - MSM20-M2M2T1T1SZ9HH9E99.9

Industrial Ethernet:Modular Industrial Switches:Configurable Media Modules - MSM :Fast Ethernet MSM Media Modules, standard

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Name	Fast Ethernet MSM Media Modules, standard
	
	Fast Ethernet media module for PowerMICE Switches (MSP).
Delivery informations	
Availability	available
Product description	
Description	Fast Ethernet media module for PowerMICE Switches (MSP).
Port type and quantity	Port 1: 100Base-Fx, MM-SC; Port 2: 100Base-Fx, MM-SC; Port 3: 10/100Base-Tx, RJ45; Port 4: 10/100Base-Tx, RJ45
Type	MSM20-M2M2T1T1SZ9HH9E99.9
Order No.	MSM20-M2M2T1T1SZ9HH9E99.9
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
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
Single mode fiber (SM) 9/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	Power supply via the backplane of the MICE switch
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 85 °C
Protective paint on PCB	No
Relative humidity (non-condensing)	5 % ... 95 %
Mechanical construction	
Dimensions (W x H x D)	38 mm x 134 mm x 118 mm
Mounting	Backplane
Weight	n/a
Protection class	IP20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	3.5 mm, 5-8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4-150 Hz, 10 cycles, 1 octave/min
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80-3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz-80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Basis Standard	C-Tick, CE, EN61131
Safety of information technology equipment	EN60950-1
Transportation	NEMA TS2

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Country Approval	C-Tick
Scope of delivery and accessories	
Scope of delivery	Module, operating manual

For more information please contact:

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