




## Product information Fast Ethernet MICE Media Modules, standard - MM20-T1T1T1G2SAHH

Industrial Ethernet:Modular Industrial Switches:Configurable media modules:Fast Ethernet MICE media modules:Fast Ethernet MICE Media Modules, standard

<http://e-catalog.hirschmann.com/link/57078-24455-49860-67478-80931-80881/en/MM20-T1T1T1G2SAHH/uistate>

Name	Fast Ethernet MICE Media Modules, standard
	
	Fast Ethernet media module for MICE Switches (MS...)
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Fast Ethernet media module for MICE Switches (MS...)
Port type and quantity	Port 1: 10/100BASE-TX, RJ45; Port 2: 10/100BASE-TX, RJ45; Port 3: 10/100BASE-TX, RJ45; Port 4: 100BASE-FX, LH+ SM-SC
Type	MM20-T1T1T1G2SAHH
Order No.	MM20-T1T1T1G2SAHH
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	78 - 240 km 14 - 47 dB link budget at 1550 nm A = 0,18 dB/km, 3 dB Reserve, D = 18 ps/(nm x km)
<b>Power requirements</b>	
Operating voltage	Power supply via the backplane of the MICE switch
Power consumption	2,3 W
<b>Ambient conditions</b>	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Protective paint on PCB	No
Relative humidity (non-condensing)	10 % ... 95 %
<b>Mechanical construction</b>	
Dimensions (W x H x D)	38 mm x 134 mm x 118 mm
Width	38 mm
Height	134 mm
Depth	118 mm
Mounting	Backplane
Weight	n/a
Protection class	IP20
<b>Mechanical stability</b>	
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 Zyklen, 1 Oktave/min.; 1g, 9 Hz - 150 Hz, 10 Zyklen, 1 Oktave/min
<b>EMC interference immunity</b>	
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), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
<b>EMC emitted immunity</b>	
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	cUL 1604 Class1 Div 2
<b>Scope of delivery and accessories</b>	
Scope of delivery	Module, operating manual
Accessories to order separately	ML-MS2/MM labels

For more information please contact:

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