




## Product information Fast Ethernet MSM Media Modules, standard - MSM20-L2L2L2L2SZ9HH9E99.9

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

<http://dev-catalog.beldensolutions.com/link/57078-24455-49860-278756-278240/en/MSM20-L2L2L2L2SZ9HH9E99.9/uistate>

Name	Fast Ethernet MSM Media Modules, standard
	
	Fast Ethernet media module for PowerMICE Switches (MSP).
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Fast Ethernet media module for PowerMICE Switches (MSP).
Port type and quantity	Port 1: 100Base-Fx, LH SM-SC; Port 2: 100Base-Fx, LH SM-SC; Port 3: 100Base-Fx, LH SM-SC; Port 4: 100Base-Fx, LH SM-SC
Type	MSM20-L2L2L2L2SZ9HH9E99.9
Order No.	MSM20-L2L2L2L2SZ9HH9E99.9
<b>Network size - length of cable</b>	
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)	24 - 86,6 km, 7 - 29 dB Link Budget at 1550 nm, A = 0,3 dB/km, 3 dB Reserve, D = 19 ps/(nm x km)
<b>Power requirements</b>	
Operating voltage	Power supply via the backplane of the MICE switch
<b>Ambient conditions</b>	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 85 °C
Protective paint on PCB	No
Relative humidity (non-condensing)	5 % ... 95 %
<b>Mechanical construction</b>	
Dimensions (W x H x D)	38 mm x 134 mm x 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	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
<b>EMC interference immunity</b>	
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)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
<b>Approvals</b>	
Basis Standard	C-Tick, CE, EN61131
Safety of information technology equipment	EN60950-1
Transportation	NEMA TS2

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

<http://dev-catalog.beldensolutions.com/link/57078-24455-49860-278756-278240/en/MSM20-L2L2L2S29HH9E99.9/ui/state>

**Scope of delivery and accessories**

<b>Scope of delivery</b>	Module, operating manual
--------------------------	--------------------------

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.