



## M1-8MM-SC

Industrial Networking:Industrial Ethernet:MACH100:Media modules

<b>Delivery informations</b>	
Availability	available
Document created at	22.05.2009
<b>Product description</b>	
Description	Media module for modular, managed, Industrial Workgroup Switch MACH100 100 BASE-FX Multimode
Type	M1-8MM-SC
Order No.	943 970-101
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100m
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)	-
<b>Power requirements</b>	
Power consumption	10 W
<b>Ambient conditions</b>	
Operating temperature	0° - +50°C
Storage/transport temperature	-20° - +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	68.94 years (MIL-HDBK-217F Gb 25°C)
<b>Mechanical construction</b>	
Dimensions (W x H x D)	138 x 90 x 42
Mounting	Media Module
Weight	0.21 kg
Protection class	IP20
<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 - 2700 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), 4 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>	
Safety of industrial control equipment	cUL 508 (pending)
<b>Scope of delivery and accessories</b>	
Scope of delivery	Media module, user manual