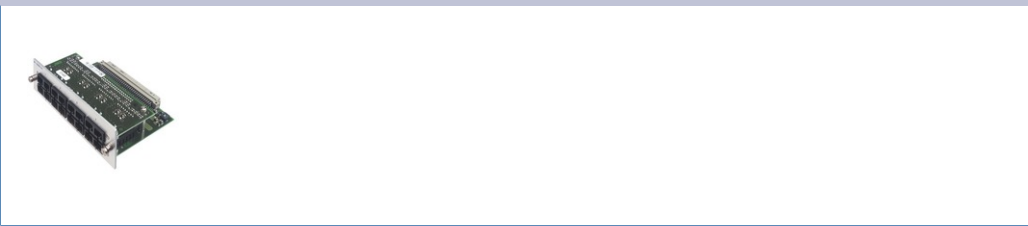




## Data sheet M1-8MM-SC - M1-8MM-SC

### Industrial Ethernet:Workgroup Switches:Media modules:M1-8MM-SC

Name M1-8MM-SC



#### Delivery informations

Document created at 09-08-2010  
Availability available

#### Product description

Description Media module for modular, managed, Industrial Workgroup Switch MACH100 100 BASE-FX Multimode  
Type M1-8MM-SC  
Order No. 943 970-101

#### Network size - length of cable

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) -

#### Power requirements

Power consumption 10 W

#### Ambient conditions

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)

#### Mechanical construction

Dimensions (W x H x D) 138 x 90 x 42  
Mounting Media Module  
Weight 0.21 kg  
Protection class IP20

#### 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 - 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)

#### EMC emitted immunity

FCC CFR47 Part 15 FCC 47 CFR Part 15 Class A  
EN 55022 EN 55022 Class A

#### Approvals

Safety of industrial control equipment cUL 508 (pending)

#### Scope of delivery and accessories

Scope of delivery Media module, user manual