


**Product:** [M1-8MM-SC](#) 

Media module (8 x 100BaseFX Multimode DSC port) for MACH102

## Product Description

8 x 100BaseFX Multimode DSC port media module for modular, managed, Industrial Workgroup Switch MACH102

## Technical Specifications

### Product description

Description:	8 x 100BaseFX Multimode DSC port media module for modular, managed, Industrial Workgroup Switch MACH102
Part Number:	943970101

### Network size - length of cable

Multimode fiber (MM) 50/125 µm:	0 - 5000 m (Link Budget at 1310 nm = 0 - 8 dB; A=1 dB/km; BLP = 800 MHz*km)
Multimode fiber (MM) 62.5/125 µm:	0 - 4000 m (Link Budget at 1310 nm = 0 - 11 dB; A = 1 dB/km; BLP = 500 MHz*km)

### Power requirements

Power consumption:	10 W
Power output in BTU (IT)/h:	34

### Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	68.94 Years
Operating temperature:	0-50 °C
Storage/transport temperature:	-20-+85 °C
Relative humidity (non-condensing):	10-95 %

### Mechanical construction

Dimensions (WxHxD):	138 mm x 90 mm x 42mm
Weight:	210 g
Mounting:	Media Module
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

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

### Approvals

Safety of industrial control equipment:	cUL 508
Safety of information technology equipment:	cUL 60950-1

## Scope of delivery and accessories

Scope of delivery:	Media module, user manual
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## Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

## Variants

Item #
943970101

Update and Revision:	Revision Number: 0.62 Revision Date: 01-08-2021
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