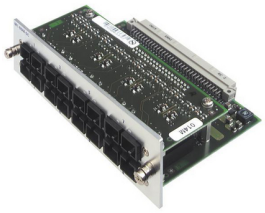
HIRSCHMANN
A BELDEN BRAND



Product: M1-8SM-SC

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

Product Description

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

Technical Specifications

Product description

Description:	8 x 100BaseFX Singlemode DSC port media module for modular, managed, Industrial Workgroup Switch MACH102
Part Number:	943970201

Network size - length of cable

Single mode fiber (SM) 9/125 µm:	0 - 32,5 km, 16 dB Link Budget at 1300 nm, A = 0,4 dB/km D = 3,5 ps/(nm*km)

Power requirements

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

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	1 224 916 h
Operating temperature:	0-50 °C
Minimum Storage Temperature:	-20-+85 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (WxHxD):	138 mm x 90 mm x 42mm
Weight:	180 g
Mount Type:	Media Module
IP Protection Rating:	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

Reliability

Guarantee:	60 months (please refer to the "terms of guarantee or detailed information)

Scope of delivery and accessories

Scope of delivery:	Media module, user manual

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html

History

Update and Revision:	Revision Number: 0.139 Revision Date: 03-03-2026

Variants

Item #	Type
943970201	M1-8SM-SC

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