HIRSCHMANN
A BELDEN BRAND



Product: M1-8TP-RJ45

Media module (8 x 10/100BaseTX RJ45) for MACH102

Product Description

8 x 10/100BaseTX RJ45 port media module for modular, managed, Industrial Workgroup Switch MACH102

Technical Specifications

Product description

Description:	8 x 10/100BaseTX RJ45 port media module for modular, managed, Industrial Workgroup Switch MACH102
Part Number:	943970001

Network size - length of cable

Twisted pair (TP):	0-100 m

Power requirements

Power Consumption:	2 W
Power output in BTU (IT)/h:	7

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	10 303 652 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:	210 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: 0.133 Revision Date: 07-15-2026

Variants

Item #	Type
943970001	M1-8TP-RJ45

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.