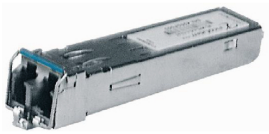
HIRSCHMANN
A BELDEN BRAND

Product: M-SFP-2.5-MM/LC EEC



SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver MM, extended temperature range

Product Description

SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver MM with LC connector, extended temperature range

Technical Specifications

Product description

Type:	M-SFP-2.5-MM/LC EEC
Description:	SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver MM, extended temperature range
Part Number:	942162001
Port Type and Quantity:	1 x 2500 Mbit/s with LC connector

Network size - length of cable

Multimode fiber (MM) 50/125 µm:	0 to 550 m, 850 nm; 4 dB link budget; OM3 fiber (3.5 dB/km, 2000 MHz*km)
Multimode fiber (MM) 62.5/125 µm:	0 to 170 m, 850 nm; 4 dB link budget; OM1 fiber (3.5 dB/km, 200 MHz*km)

Power requirements

Operating Voltage:	power supply via the switch
Power Consumption:	1 W

Software

Diagnostics:	Optical input and output power, transceiver temperature

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	537 Years
Operating temperature:	-40-+85 °C
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	13.4 mm x 8.5 mm x 56.5 mm
Weight:	30 g
Mount Type:	SFP+ slot
IP Protection Rating:	IP20

Mechanical stability

IEC 60068-2-6 vibration:	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	6 kV contact discharge, 8 kV air discharge

EN 61000-4-3 electromagnetic field:	10 V/m (80-1000 MHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity:	3 V (10 kHz-150 kHz), 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 information technology equipment:	EN60950
Laser Protection:	class 1 according to IEC60825-1
Hazardous locations:	depending on deployed switch
Shipbuilding:	depending on deployed switch

Reliability

Guarantee:	24 months (please refer to the &lta href="https://assets.belden.com/m/1424ddb7a3280e7a/original/Hirschmann-Automation-and-Control-GmbH-Terms-of-Guarantee.pdf"terms of guarantee &lt/a for detailed information)

Scope of delivery and accessories

Scope of delivery:	SFP module

Further Instructions

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

History

Update and Revision:	Revision Number: 0.118 Revision Date: 07-15-2026

Variants

Item #	Type
942162001	M-SFP-2.5-MM/LC EEC

© 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.