HIRSCHMANN
A BELDEN BRAND

Product: MM3-4FXS2

Media module for MICE Switches (MS...), 100BASE-FX single mode F/O

Product Description

Media module for MICE Switches (MS...), 100BASE-FX single mode F/O

Technical Specifications

Product description

Type:	MM3-4FXS2
Part Number:	943836101
Port type and quantity:	4 x 100BASE-FX, SM cables, SC sockets

Product Life Cycle

Availability:	Passiv
Last Order Date:	2023-12-31
Last Delivery Date:	2024-06-30

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, 3 dB reserve, D = 3.5 ps/(nm x km)

Power requirements

Operating Voltage:	power supply via the backplane of the MICE switch
Power consumption:	6.8 W
Power output in BTU (IT)/h:	23.2 Btu (IT)/h

Software

Diagnostics:	LEDs (power, link status, data, 100 Mbit/s, auto-negotiation, full duplex, ring port, LED test)

Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	59.5 Years
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+70 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (WxHxD):	38 mm x 134 mm x 118 mm
Weight:	180 g
Mounting:	Backplane
Protection class:	IP 20

Mechanical stability

IEC 60068-2-6 vibration:	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 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), 1kV data line
EN 61000-4-6 Conducted Immunity:	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)

EMC emitted immunity

EN 55032:	EN 55032 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Basis Standard:	CE
Safety of industrial control equipment:	cUL508
Shipbuilding:	DNV

Reliability

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

Scope of delivery and accessories

Accessories to Order Separately:	ML-MS2/MM labels
Scope of delivery:	module, general safety instructions

Further Instructions

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

History

Update and Revision:	Revision Number: 0.84 Revision Date: 04-17-2024

Variants

Item #	Type
943836101	MM3-4FXS2

© 2024 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.