




## Product information M-SFP-LX/LC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Gigabit-Ethernet Transceiver for media module: M-SFP-LX/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24529-38628/en/conf/ui/state>

Name	M-SFP-LX/LC
	
	SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION.
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	SFP Fiberoptic Gigabit Ethernet Transceiver for: MICE media modules, MM4-4TX/SFP and MM4-2TX/SFP, OpenRail RS30-Switches, MACH 4000, SmartLION and GigaLION.
Port type and quantity	1 x 1000BASE-LX with LC connector
Type	M-SFP-LX/LC
Order No.	943 015-001
<b>Network size - length of cable</b>	
Multimode fiber (MM) 50/125 µm	0 - 550 m, 0 - 11 dB link budget at 1310 nm A = 1 dB/km, 3 dB reserve, B = 800 MHz x km With f/o adapter in line with IEEE 802.3-2000 clause 38 (single-mode fiber offset-launch mode conditioning patch cord)
Multimode fiber (MM) 62.5/125 µm	0 - 550 m, 0 - 11 dB link budget at 1310 nm A = 1 dB/km, 3 dB reserve, B = 500 MHz x km With f/o adapter in line with IEEE 802.3-2000 clause 38 (single-mode fiber offset-launch mode conditioning patch cord)
Single mode fiber (SM) 9/125 µm	0 m - 20 km, 0 - 11 dB link budget at 1310 nm A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km)
<b>Power requirements</b>	
Operating voltage	power supply via the switch
Power consumption	1 W
<b>Service</b>	
Diagnostics	optical input and output power, transceiver temperature
<b>Ambient conditions</b>	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	13 888 889 Heures
<b>Mechanical construction</b>	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
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.
<b>EMC interference immunity</b>	
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)



# HIRSCHMANN

A **BELDEN** BRAND

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Gigabit-Ethernet Transceiver for media module: M-SFP-LX/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24529-38628/en/conf/uistate>

#### EMC emitted immunity

FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
-------------------	---------------------------

EN 55022	EN 55022 Class A
----------	------------------

#### Approvals

Safety of information technology equipment	cUL 60950-1
--	-------------

Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA
--------------	--

#### Scope of delivery and accessories

Scope of delivery	SFP module
-------------------	------------

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.