



## Product information M-SFP-BIDI Type A LX/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP-BIDI Bidirectional Gigabit Ethernet Transceiver: M-SFP-BIDI Type A LX/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-65079-65129/en/conf/ui/state>

Name	M-SFP-BIDI Type A LX/LC EEC
	
	SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, single strand, type A
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, single strand, type A
Port type and quantity	1 x 1000BASE-LX with LC connector, extended temperature range
Type	M-SFP-BIDI Type A LX/LC EEC
Order No.	943 974-001
<b>Network size - length of cable</b>	
Multimode fiber (MM) 50/125 µm	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
Single mode fiber (SM) 9/125 µm	0 m - 20 km, 0 - 11 dB Link Budget (1310 nm type A) A = 0.4 dB/km, 3 dB Reserve, D = 3.5 ps/(nm x km)
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n/a
<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	-40 °C to +85 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	n/a
<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)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
<b>Approvals</b>	
Hazardous locations	cUL 1604 Class1 Div 2
Shipbuilding	Germanischer Lloyd



# HIRSCHMANN

A Belden Brand

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP-BIDI Bidirectional Gigabit Ethernet Transceiver: M-SFP-BIDI Type A LX/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-65079-65129/en/conf/ui.state>

#### Scope of delivery and accessories

Scope of delivery	SFP module
Accessories to order separately	n/a

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.