



HIRSCHMANN

A BELDEN BRAND

Product information M-SFP-BIDI-Bundle LX/LC EEC

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

Name M-SFP-BIDI-Bundle LX/LC EEC



SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, single strand, bundle = 1 x type A and 1 x type B

Delivery informations

Availability available

Product description

Description SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, single strand, bundle = 1 x type A and 1 x type B

Port type and quantity 1 x 1000BASE-LX with LC connector, extended temperature range

Type M-SFP-BIDI-Bundle LX/LC EEC

Order No. 943 974-101

Network size - length of cable

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 (1310nm type A, 1550 nm type B) 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

Power requirements

Operating voltage power supply via the switch

Power consumption 1 W

Service

Diagnostics optical input and output power, transceiver temperature

Ambient conditions

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

Mechanical construction

Dimensions (W x H x D) 20 mm x 18 mm x 50 mm

Mounting SFP slot

Weight 40 g

Protection class IP 20

Mechanical stability

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

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

FCC CFR47 Part 15 FCC CFR47 Part 15 Class A

EN 55022 EN 55022 Class A

Approvals

Safety of industrial control equipment cUL 508

Hazardous locations ISA 12.12.01 Class 1 Div. 2

Shipbuilding Germanischer Lloyd



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Scope of delivery and accessories

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

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