




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

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-65079-65028/en/conf/ui/state>

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|---|---|
| Name | M-SFP-BIDI-Bundle LX/LC EEC |
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| | 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 100BASE-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 | cUL 1604 Class1 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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