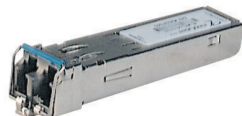


**Product:** [M-SFP-SX/LC](#) 



**SFP Fiberoptic Gigabit Ethernet Transceiver MM**

**Product Description**

SFP Fiberoptic Gigabit Ethernet Transceiver MM with LC connector

**Technical Specifications**

**Product description**

|                         |                                                |
|-------------------------|------------------------------------------------|
| Type:                   | M-SFP-SX/LC, SFP Transceiver SX                |
| Description:            | SFP Fiberoptic Gigabit Ethernet Transceiver MM |
| Part Number:            | 943014001                                      |
| Port type and quantity: | 1 x 1000 Mbit/s with LC connector              |

**Network size - length of cable**

|                                   |                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------|
| Multimode fiber (MM) 50/125 µm:   | 0 - 550 m (Link Budget at 850 nm = 0 - 7,5 dB; A = 3,0 dB/km; BLP = 400 MHz*km) |
| Multimode fiber (MM) 62.5/125 µm: | 0 - 275 m (Link Budget at 850 nm = 0 - 7,5 dB; A = 3,2 dB/km; BLP = 200 MHz*km) |

**Power requirements**

|                    |                             |
|--------------------|-----------------------------|
| Operating Voltage: | power supply via the switch |
| Power consumption: | 1 W                         |

**Software**

|              |                                                         |
|--------------|---------------------------------------------------------|
| Diagnostics: | Optical input and output power, transceiver temperature |
|--------------|---------------------------------------------------------|

**Ambient conditions**

|                                          |            |
|------------------------------------------|------------|
| MTBF (Telecordia SR-332 Issue 3) @ 25°C: | 610 Years  |
| Operating temperature:                   | 0-+60 °C   |
| Storage/transport temperature:           | -40-+85 °C |
| Relative humidity (non-condensing):      | 5-95 %     |

**Mechanical construction**

|                     |                       |
|---------------------|-----------------------|
| Dimensions (WxHxD): | 20 mm x 18 mm x 50 mm |
| Weight:             | 30 g                  |
| Mounting:           | SFP slot              |
| Protection class:   | IP20                  |

**Mechanical stability**

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC 60068-2-6 vibration: | 1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 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), 1 kV data line |

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| EN 61000-4-6 Conducted Immunity: | 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz) |
|----------------------------------|---------------------------------------------|

## EMC emitted immunity

|                    |                            |
|--------------------|----------------------------|
| EN 55022:          | EN 55022 Class A           |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class A |

## Approvals

|                                             |                              |
|---------------------------------------------|------------------------------|
| Safety of information technology equipment: | EN60950                      |
| Hazardous locations:                        | depending on deployed switch |
| Shipbuilding:                               | depending on deployed switch |

## Scope of delivery and accessories

|                    |            |
|--------------------|------------|
| Scope of delivery: | SFP module |
|--------------------|------------|

## Further Instructions

### Variants

| Item #    | Type        |
|-----------|-------------|
| 943014001 | M-SFP-SX/LC |

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.61 Revision Date: 11-19-2020 |
|----------------------|-------------------------------------------------|

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