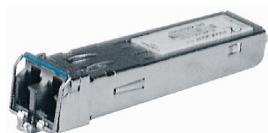


**Product:** [M-SFP-2.5-SM+/LC](#) 



**SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver SM**

**Product Description**

SFP Fiberoptic 2.5 Gigabit Ethernet Transceiver SM with LC connector

**Technical Specifications**

**Product description**

|              |           |
|--------------|-----------|
| Part Number: | 942331001 |
|--------------|-----------|

**Power requirements**

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

**Software**

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

**Ambient conditions**

|                                     |            |
|-------------------------------------|------------|
| Operating temperature:              | 0-+60 °C   |
| Storage/transport temperature:      | -40-+85 °C |
| Relative humidity (non-condensing): | 5-95 %     |

**Mechanical construction**

|                     |                            |
|---------------------|----------------------------|
| Dimensions (WxHxD): | 13.4 mm x 8.5 mm x 56.5 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**

|                   |                                 |
|-------------------|---------------------------------|
| Laser Protection: | class 1 according to IEC60825-1 |
|-------------------|---------------------------------|

|                      |                              |
|----------------------|------------------------------|
| Hazardous locations: | depending on deployed switch |
| Shipbuilding:        | depending on deployed switch |

Reliability

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| Guarantee: | 24 months (please refer to the <a href="#">terms of guarantee</a> for detailed information) |
|------------|---------------------------------------------------------------------------------------------|

Scope of delivery and accessories

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

Further Instructions

|               |                                                                                                                 |
|---------------|-----------------------------------------------------------------------------------------------------------------|
| Certificates: | <a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a> |
|---------------|-----------------------------------------------------------------------------------------------------------------|

History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.9 Revision Date: 08-13-2025 |
|----------------------|------------------------------------------------|

Variants

| Item #    | Type             |
|-----------|------------------|
| 942331001 | M-SFP-2.5-SM+/LC |

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