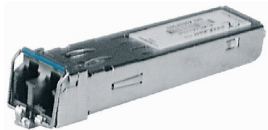


## Part Number: SFP-FAST-SM/LC

### SFP Fiberoptic Fast-Ethernet Transceiver SM



#### Product Description

SFP Fiberoptic Fast-Ethernet Transceiver SM with LC connector

#### Technical Specifications

##### Product description

|                         |                                  |
|-------------------------|----------------------------------|
| Type:                   | SFP-FAST-SM/LC                   |
| Part Number:            | 942 195-001                      |
| Port type and quantity: | 1 x 100 Mbit/s with LC connector |

##### Network size - length of cable

|                                                          |                                                                                   |
|----------------------------------------------------------|-----------------------------------------------------------------------------------|
| Single mode fiber (LH) 9/125 µm (long haul transceiver): | 0 - 25 km (Link Budget at 1310 nm = 0 - 13 dB; A = 0.4 dB/km, D = 3,5 ps/(nm*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

|                                     |            |
|-------------------------------------|------------|
| 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:             | 41 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 47CFR Part 15: | FCC 47CFR Part 15, Class A |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class A |

Approvals

|                                             |         |
|---------------------------------------------|---------|
| Safety of information technology equipment: | EN60950 |
|---------------------------------------------|---------|

Scope of delivery and accessories

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

Variants

| Item #    | Type           |
|-----------|----------------|
| 942195001 | SFP-FAST-SM/LC |

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