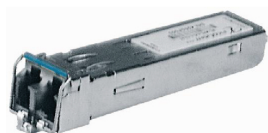


Product: [SFP-GIG-LX/LC-EEC](#)



SFP Fiberoptic Gigabit Ethernet Transceiver SM, extended temperature range

Product Description

SFP Fiberoptic Gigabit Ethernet Transceiver SM with LC connector, extended temperature range

Technical Specifications

Product description

| | |
|-------------------------|----------------------------------------------------------------------------|
| Type: | SFP-GIG-LX/LC-EEC |
| Description: | SFP Fiberoptic Gigabit Ethernet Transceiver SM, extended temperature range |
| Part Number: | 942196002 |
| Port type and quantity: | 1 x 1000 Mbit/s with LC connector |

Network size - length of cable

| | |
|----------------------------------|-------------------------------------------------------------------------------------|
| Single mode fiber (SM) 9/125 µm: | 0 - 20 km (Link Budget at 1310 nm = 0 - 10.5 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: | -40-+85 °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: | 42 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 |
|---------------------------------------------|---------|

Scope of delivery and accessories

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

Further Instructions

| | |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Documentation: | https://www.doc.hirschmann.com |
| Certificates: | https://www.doc.hirschmann.com/certificates.html |

Variants

| Item # | Type |
|----------------------|-------------------------------------------------|
| 942196002 | SFP-GIG-LX/LC-EEC |
| Update and Revision: | Revision Number: 0.89 Revision Date: 11-09-2022 |

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