

## Product: <u>SFP-GIG-BA LX+/LC EEC</u> ☑



SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, Type A, extended temperature range

## **Product Description**

SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM with LC connector, Type A, extended temperature range

## **Technical Specifications**

### **Product description**

| Type:                   | SFP-GIG-BA LX+/LC EEC   |
|-------------------------|---|
| Description:            | SFP Fiberoptic bi-directional Gigabit Ethernet Transceiver SM, Type A, extended temperature range |
| Part Number:            | 942208001   |
| Port type and quantity: | 1 x 1000 Mbit/s with LC connector   |

## Network size - length of cable

| Single mode fiber (SM) 9/125 µm: | 12 - 40 km (Link Budget (TX: 1310 nm, RX: 1550) = 3-20 dB; A = 0.4 dB/km; 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:             | 40 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**

| ty of information technology equipment: EN60950 |  | 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

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