

IE-SFP-1GE-SM-40

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Features of SFP-Transceiver series

- Huge variety of transceiver types for several transmission speeds (up to 10 Gigabit Ethernet) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of transceiver status due to support of Digital Diagnostic Monitoring (DDM)
- Hot pluggable (during operation)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Eco-, Advanced- and SubstationLine

General ordering data

| | |
|------------|--|
| Version | SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C |
| Order No. | 2682510000 |
| Type | IE-SFP-1GE-SM-40 |
| GTIN (EAN) | 4050118692204 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



| | |
|-------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E230683 |

Dimensions and weights

| | |
|------------|--------|
| Net weight | 17.5 g |
|------------|--------|

Temperatures

| | | | |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...85 °C |
| Humidity | 5 to 95 % (non-condensing) | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

EMC conformity and approvals

| | | | |
|---------------|--------------------|-----------------|------------|
| EMC standards | EN 55032, EN 55035 | Safety standard | UL 62368-1 |
|---------------|--------------------|-----------------|------------|

Environmental conditions

| | | | |
|-----------------------------|----------------------------|-----------------------------|--------|
| Operating temperature, max. | 85 °C | Operating temperature, min. | -40 °C |
| Humidity | 5 to 95 % (non-condensing) | Storage temperature, max. | 85 °C |
| Storage temperature, min. | -40 °C | | |

Fibre optic transceiver characteristics

| | | |
|---|------------|---------|
| Transmission rate | 1000 Mbps | |
| Digital diagnostic monitor function (DDM) | Supported | |
| Transceiver type | Singlemode | |
| Connector type | LC-Duplex | |
| Transmission distance, typ. | 40 km | |
| Wavelength | typ. | 1310 nm |
| | Wavelength | TX |
| | min. | 1280 nm |
| | max. | 1350 nm |
| | Wavelength | RX |
| | min. | 1260 nm |
| Receive power | min. | -24 dBm |
| | max. | -3 dBm |
| Transmission power | min. | -3 dBm |
| | max. | 3 dBm |
| Link-budget | 21 dB | |

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Note When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.

Guarantee

Time interval 3 years

Power supply

Supply voltage 3.3 V (via Ethernet switch)

Technical data

Type of mounting Insert in SFP slot

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC003628 | ETIM 9.0 | EC003628 |
| ETIM 10.0 | EC003628 | ECLASS 14.0 | 19-17-03-03 |
| ECLASS 15.0 | 19-17-03-03 | | |

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Accessories

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LC-Duplex



Mounting rail outlet, LC duplex junction design according to IEC 61754-20

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | IE-TO-LCD-SM | Version | |
| Order No. | 8947020000 | Mounting rail outlet, fibre-optic, LC Duplex, Singlemode, IP20 | |
| GTIN (EAN) | 4032248735037 | | |
| Qty. | 10 ST | | |