

IE-SFP-1FE-SM-60**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, 100 Mbps, Singlemode, LC-Duplex, 60 km, -40 °C...85 °C |
| Order No. | 2682470000 |
| Type | IE-SFP-1FE-SM-60 |
| GTIN (EAN) | 4050118692242 |
| Qty. | 1 pc(s). |

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Technical data**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) | | |

EMC conformity and approvals

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

Environmental conditions

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

Fibre optic transceiver characteristics

| | | |
|---|---|----------|
| Transmission rate | 100 Mbps | |
| Digital diagnostic monitor function (DDM) | Supported | |
| Transceiver type | Singlemode | |
| Connector type | LC-Duplex | |
| Transmission distance, typ. | 60 km | |
| Wavelength | typ. | 1,310 nm |
| | Wavelength | TX |
| | min. | 1,280 nm |
| | max. | 1,340 nm |
| | Wavelength | RX |
| | min. | 1,260 nm |
| Receive power | min. | -34 dBm |
| | max. | -3 dBm |
| Transmission power | min. | -5 dBm |
| | max. | 0 dBm |
| Link-budget | 29 dB | |
| 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

| | |
|----------------|-----------------------------|
| Voltage supply | 3.3 V (via Ethernet switch) |
|----------------|-----------------------------|

Technical data

| | |
|------------------|--------------------|
| Type of mounting | Insert in SFP slot |
|------------------|--------------------|

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www.weidmueller.com**Technical data****Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001121 | ETIM 7.0 | EC001121 |
| ETIM 8.0 | EC003628 | ETIM 9.0 | EC003628 |
| ECLASS 9.1 | 27-44-02-92 | ECLASS 10.0 | 27-44-02-92 |
| ECLASS 11.0 | 19-17-03-03 | ECLASS 12.0 | 19-17-03-03 |
| ECLASS 13.0 | 19-17-03-03 | | |

Environmental Product Compliance

REACH SVHC

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Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |

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www.weidmueller.com**Accessories****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 pc(s). | |