

IE-SFP-1FEMLC-T**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

- Supports DDM (Digital Diagnostic Monitoring)
- IEEE 802.3z compliant (Gigabit Ethernet SFPs)
- IEEE 802.3u compliant (Fast Ethernet SFPs)
- Symmetric LVPECL I/Os (Gigabit Ethernet SFPs)
- Symmetric PECL I/Os (Fast Ethernet SFPs)
- TTL signal detection indicator
- Pluggable in operation (hot pluggable)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Basic-, Value- and PremiumLine

General ordering data

| | |
|------------|---|
| Version | SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 °C |
| Order No. | 1241450000 |
| Type | IE-SFP-1FEMLC-T |
| GTIN (EAN) | 4050118029192 |
| Qty. | 1 pc(s). |

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| | |
|------------|------|
| Net weight | 40 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, EN 62368-1, EN 60825-1 |
| Ship use | DNV | | |

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 | Multimode | |
| Connector type | LC-Duplex | |
| Transmission distance, typ. | 4 km | |
| Wavelength | typ. | 1,310 nm |
| | Wavelength | TX |
| | min. | 1,280 nm |
| | max. | 1,340 nm |
| | Wavelength | RX |
| | min. | 1,100 nm |
| Receive power | max. | 1,650 nm |
| | min. | -32 dBm |
| Transmission power | max. | -3 dBm |
| | min. | -18 dBm |
| Link-budget | max. | -8 dBm |
| | 14 dB | |

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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| | | | |
|-------------|-------------|-------------|-------------|
| 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 | | |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNV certificate EU Declaration of Conformity UK Declaration of Conformity |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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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). | |