# IE-SFP-1FESLC-T

## 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 Premi-umLine

## General ordering data

| | |
|---|---|
| Version | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C |
| Order No. | 1241470000 |
| Type | IE-SFP-1FESLC-T |
| GTIN (EAN) | 4050118029420 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2027-01-30T00:00:00+01:00 |
| Alternative product | IE-SFP-1FE-SM-60 |

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# IE-SFP-1FESLC-T

## Technical data

### Approvals

| Approvals | |
|---|---|

CE  c**UL**us  DNV  UKCA

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

### Dimensions and weights

| Net weight | 23 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 with exemption |
|---|---|
| RoHS Exemption (if applicable/known) | 7cl |
| REACH SVHC | No SVHC above 0.1 wt% |

### EMC conformity and approvals

| EMC standards | EN 55032, EN 55024 | Ship use | DNV |
|---|---|---|---|
| Safety standard | UL 62368-1, EN 62368-1, EN 60825-1 | | |

### 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 | 100 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. | 1340 nm |
| | Wavelength | RX |
| | min. | 1100 nm |
| | max. | 1600 nm |
| Receive power | min. | -34 dBm |
| | max. | -3 dBm |
| Transmission power | min. | -5 dBm |

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| | 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 | |

### Interfaces

| | | | |
|---|---|---|---|
| Ethernet ports | 1 | Plug-in connector | Duplex-LC |
| Number of ports | Fast Ethernet, single-mode, LC connector, 40 km | | |

### 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

### 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 | | |