

**IE-SFP-1GLHXLC-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, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C |
| Order No.  | <a href="#">1286730000</a>   |
| Type       | IE-SFP-1GLHXLC-T   |
| GTIN (EAN) | 4050118077728  |
| Qty.       | 1 pc(s).   |

Creation date December 4, 2023 9:09:17 AM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |      |
|------------|------|
| Net weight | 25 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                         | 1000 Mbps  |          |
| Digital diagnostic monitor function (DDM) | Supported  |          |
| Transceiver type                          | Singlemode |          |
| Connector type                            | LC-Duplex  |          |
| Transmission distance, typ.               | 40 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.       | -24 dBm  |
|   | max.       | -1 dBm   |
| Transmission power                        | min.       | -4 dBm   |
|   | max.       | 3 dBm    |
| Link-budget                               | 20 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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## 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 | 19170303    |             |             |

### Approvals

Approvals



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

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">DNV certificate</a><br><a href="#">EU Declaration of Conformity</a><br><a href="#">UK Declaration of Conformity</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

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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.  | <a href="#">8947020000</a> | Mounting rail outlet, fibre-optic, LC Duplex, Singlemode, IP20 |
| GTIN (EAN) | 4032248735037              |  |
| Qty.       | 10 pc(s).                  |  |