

IE-SFP-1FELLC-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

General ordering data

Version	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 80 km, -40 °C...85 °C
Order No.	1241480000
Type	IE-SFP-1FELLC-T
GTIN (EAN)	4050118029178
Qty.	1 pc(s).

Creation date March 23, 2021 11:56:07 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	90 g
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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 55024	Safety standard	UL 60950-1
Ship use	DNV-GL		

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.	80 km														
Wavelength	<table border="1"> <tr> <td>typ.</td> <td>1,550 nm</td> </tr> <tr> <td>Wavelength</td> <td>TX</td> </tr> <tr> <td>min.</td> <td>1,530 nm</td> </tr> <tr> <td>max.</td> <td>1,570 nm</td> </tr> <tr> <td>Wavelength</td> <td>RX</td> </tr> <tr> <td>min.</td> <td>1,100 nm</td> </tr> <tr> <td>max.</td> <td>1,600 nm</td> </tr> </table>	typ.	1,550 nm	Wavelength	TX	min.	1,530 nm	max.	1,570 nm	Wavelength	RX	min.	1,100 nm	max.	1,600 nm
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Wavelength	TX														
min.	1,530 nm														
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Wavelength	RX														
min.	1,100 nm														
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Receive power	<table border="1"> <tr> <td>min.</td> <td>-34 dBm</td> </tr> <tr> <td>max.</td> <td>-3 dBm</td> </tr> </table>	min.	-34 dBm	max.	-3 dBm										
min.	-34 dBm														
max.	-3 dBm														
Transmission power	<table border="1"> <tr> <td>min.</td> <td>-5 dBm</td> </tr> <tr> <td>max.</td> <td>0 dBm</td> </tr> </table>	min.	-5 dBm	max.	0 dBm										
min.	-5 dBm														
max.	0 dBm														
Link-budget	29 dB														

Guarantee

Time interval	3 years
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Power supply

Voltage supply	3.3 V (via Ethernet switch)
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Technical data

Type of mounting	Insert in SFP slot
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ETIM 6.0	EC001121	ETIM 7.0	EC001121
ECLASS 9.0	27-44-03-92	ECLASS 9.1	27-44-02-92
ECLASS 10.0	27-44-03-92	ECLASS 11.0	27-44-03-92

Approvals

Approvals



ROHS	Conform
UL File Number Search	E230683

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate EU Declaration of Conformity
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