

## IE-SFP-1FESLC-T

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C
Order No.	<a href="#">1241470000</a>
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	<a href="#">IE-SFP-1FE-SM-60</a>

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E230683

**Dimensions and weights**

Net weight	23 g
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**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	
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
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### 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)
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### Technical data

Type of mounting	Insert in SFP slot
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### 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

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### 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 ST		