

IE-SFP-1FE-SM-60**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

**Features of SFP-Transceiver series**

- Huge variety of transceiver types for several transmission speeds (up to 10 Gigabit Ethernet) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of transceiver status due to support of Digital Diagnostic Monitoring (DDM)
- Hot pluggable (during operation)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Eco-, Advanced- and SubstationLine

General ordering data

Version	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 60 km, -40 °C...85 °C
Order No.	2682470000
Type	IE-SFP-1FE-SM-60
GTIN (EAN)	4050118692242
Qty.	1 items

IE-SFP-1FE-SM-60

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E230683

Dimensions and weights

Net weight 17.5 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 without exemption
 REACH SVHC No SVHC above 0.1 wt%

EMC conformity and approvals

EMC standards	EN 55032, EN 55035	Safety standard	UL 62368-1
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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.	60 km	
Wavelength	typ.	1310 nm
	Wavelength	TX
	min.	1280 nm
	max.	1340 nm
	Wavelength	RX
	min.	1260 nm
Receive power	max.	1620 nm
	min.	-34 dBm
Transmission power	max.	-3 dBm
	min.	-5 dBm
Link-budget	max.	0 dBm
	min.	29 dB

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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

Supply voltage 3.3 V (via Ethernet switch)

Technical data

Type of mounting Insert in SFP slot

Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC003628	ETIM 9.0	EC003628
ETIM 10.0	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
ECLASS 14.0	19-17-03-03	ECLASS 15.0	19-17-03-03

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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 ST		