

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

Technical data

Approvals

Approvals



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

Dimensions and weights

Net weight	17.5 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 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	min.	-34 dBm	
	max.	-3 dBm	
Transmission power	min.	-5 dBm	
	max.	0 dBm	
Link-budget	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 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		