

IE-SFP-1FESLC-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, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C
Order No.	1241470000
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	IE-SFP-1FE-SM-60

IE-SFP-1FESLC-T

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Approvals

Approvals



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

Dimensions and weights

Net weight	23 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 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	

IE-SFP-1FESLC-T

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

	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
---------------	---------

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)
----------------	-----------------------------

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		