

**Industrial Ethernet
IE-SFP-1FEMLC-T****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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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

Type	IE-SFP-1FEMLC-T
Order No.	1241450000
Version	SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 °C
GTIN (EAN)	4050118029192
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	67 g
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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	Multimode		
Connector type	LC-Duplex		
Transmission distance, typ.	4 km		
Wavelength	typ.	1,310 nm	
	Wavelength	TX	
	min.	1,280 nm	
	max.	1,340 nm	
	Wavelength	RX	
	min.	1,100 nm	
Receive power	min.	-32 dBm	
	max.	-3 dBm	
Transmission power	min.	-18 dBm	
	max.	-8 dBm	
Link-budget	14 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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Classifications

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		

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 18/19 EN