

IE-SFP-1GE-MM-05**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, 1000 Mbps, Multimode, LC-Duplex, 0.5 km, -40 °C...85 °C
Order No.	2682480000
Type	IE-SFP-1GE-MM-05
GTIN (EAN)	4050118692235
Qty.	1 pc(s).

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Technical data**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)		

EMC conformity and approvals

EMC standards	EN 55032, EN 55035	Safety standard	UL 62368-1
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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	1000 Mbps														
Digital diagnostic monitor function (DDM)	Supported														
Transceiver type	Multimode														
Connector type	LC-Duplex														
Transmission distance, typ.	0.5 km														
Wavelength	<table border="1"> <tr> <td>typ.</td> <td>850 nm</td> </tr> <tr> <td>Wavelength</td> <td>TX</td> </tr> <tr> <td>min.</td> <td>830 nm</td> </tr> <tr> <td>max.</td> <td>870 nm</td> </tr> <tr> <td>Wavelength</td> <td>RX</td> </tr> <tr> <td>min.</td> <td>770 nm</td> </tr> <tr> <td>max.</td> <td>870 nm</td> </tr> </table>	typ.	850 nm	Wavelength	TX	min.	830 nm	max.	870 nm	Wavelength	RX	min.	770 nm	max.	870 nm
typ.	850 nm														
Wavelength	TX														
min.	830 nm														
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min.	770 nm														
max.	870 nm														
Receive power	<table border="1"> <tr> <td>min.</td> <td>-18 dBm</td> </tr> <tr> <td>max.</td> <td>-3 dBm</td> </tr> </table>	min.	-18 dBm	max.	-3 dBm										
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max.	-3 dBm														
Transmission power	<table border="1"> <tr> <td>min.</td> <td>-9 dBm</td> </tr> <tr> <td>max.</td> <td>-3 dBm</td> </tr> </table>	min.	-9 dBm	max.	-3 dBm										
min.	-9 dBm														
max.	-3 dBm														
Link-budget	9 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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Technical data

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E230683

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	Product Change Notification SFP packaging
Catalogues	Catalogues in PDF-format