

IE-SFP-10GE-SM-20

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, 10 Gbps, Singlemode, LC-Duplex, 20 km, -40 °C...85 °C
Order No.	2779120000
Type	IE-SFP-10GE-SM-20
GTIN (EAN)	4064675048480
Qty.	1 items

IE-SFP-10GE-SM-20

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 17.5 g

Temperatures

Storage temperature -40 °C...85 °C Operating temperature -40 °C...85 °C

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

Environmental conditions

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 10 Gbps

Digital diagnostic monitor function (DDM) Supported

Transceiver type Singlemode

Connector type LC-Duplex

Transmission distance, typ. 20 km

Wavelength typ. 1310 nm

Wavelength TX

min. 1260 nm

max. 1355 nm

Wavelength RX

min. 1260 nm

max. 1600 nm

Receive power min. -15 dBm

max. 0.5 dBm

Transmission power min. -4 dBm

max. 0.5 dBm

Link-budget 11 dB

Guarantee

Time interval 3 years

IE-SFP-10GE-SM-20

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

www.weidmueller.com

Technical data**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