

IE-SWM-SL02-2GESFP+

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Features of SubstationLine managed switch series

The SubstationLine includes Ethernet switches complying with the IEC 61850-3 and IEEE 1613 standards, making them robust enough for operation in harsh environments. The family includes variants for mounting on DIN rails and in 19" racks.

All products have a redundant power supply to ensure reliability in critical environments. The new family ranges from managed Fast Ethernet switches to 10-Gigabit Ethernet products with all the necessary features to operate according to the most demanding requirements.

- DIN-rail and 19" rack variants
- IEC 61850-3 and IEEE 1613 compliance
- PRP/HSR support according to Clause 4/Clause 5 of IEC 62439-3
- MMS server based on bridge model defined in IEC 61850-90-4
- Redundant power supply modules in all models
- Wide operating temperature range of -40°C up to 85°C
- Modular switch version with high flexibility in number and type of ports
- Fast/Gigabit/10-Gigabit interfaces
- Layer 3 models for hardware supported routing between up to 28 IP-subnets

General ordering data

Version	Media interface module for modular switch, Gigabit Ethernet/10-Gigabit Ethernet, Number of ports: 2x 1000BaseSFP/10GBaseSFP+ slot, -40 °C...60 °C
Order No.	2779210000
Type	IE-SWM-SL02-2GESFP+
GTIN (EAN)	4064675048572
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	136 mm	Depth (inches)	5.3543 inch
Height	40.7 mm	Height (inches)	1.6024 inch
Width	99 mm	Width (inches)	3.8976 inch
Net weight	348 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7cl
REACH SVHC	Lead monoxide 1317-36-8

Environmental conditions

Operating temperature, max.	60 °C	
Operating temperature, min.	-40 °C	
Humidity	5 to 95 % (non-condensing)	
Storage temperature, max.	85 °C	
Storage temperature, min.	-40 °C	
Operating altitude	Altitude, max.	2000 m
	Note	in acc. with UL
	Altitude, max.	6000 m
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads

Guarantee

Time interval 5 years

Interfaces

Fibre-optic ports	1000BaseSFP/10GBaseSFP + slot	Number of ports	2x 1000BaseSFP/10GBaseSFP + slot
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MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	3814097 h

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Power supply

Supply voltage	via Ethernet switch
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Technical data

Housing main material	Metal	Type of mounting	Insert in module slot M4
Speed	Gigabit Ethernet/10-Gigabit Ethernet		

Classifications

ETIM 8.0	EC000309	ETIM 9.0	EC000309
ETIM 10.0	EC000309	ECLASS 14.0	19-17-03-03
ECLASS 15.0	19-17-03-03		

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Accessories

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SFP transceiver (for use with switches of Eco-, Advanced-, Substation and BasicLine series B)


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

Type	IE-SFP-1GE-MM-05	Version
Order No.	2682480000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.5 km, -40
GTIN (EAN)	4050118692235	°C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-MM-2	Version
Order No.	2682490000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40
GTIN (EAN)	4050118692228	°C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-10	Version
Order No.	2682500000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, -40
GTIN (EAN)	4050118692211	°C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-40	Version
Order No.	2682510000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4050118692204	°C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-10-BIDI-T...	Version
Order No.	2682520000	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 10 km,
GTIN (EAN)	4050118692198	-40 °C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-10-BIDI-T...	Version
Order No.	2682530000	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 10 km,
GTIN (EAN)	4050118692181	-40 °C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-20-BIDI-T...	Version
Order No.	2682540000	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 20 km,
GTIN (EAN)	4050118692174	-40 °C...85 °C
Qty.	1 ST	
Type	IE-SFP-1GE-SM-20-BIDI-T...	Version
Order No.	2682550000	SFP Transceiver, 1000 Mbps, Singlemode BiDi, LC-Simplex, 20 km,
GTIN (EAN)	4050118692167	-40 °C...85 °C
Qty.	1 ST	
Type	IE-SFP-10GE-MM-03	Version
Order No.	2779110000	SFP+ transceiver, 10 Gbps, Multimode, LC-Duplex, 0.3 km, -40 °C...85
GTIN (EAN)	4064675048473	°C
Qty.	1 ST	
Type	IE-SFP-10GE-SM-20	Version
Order No.	2779120000	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 20 km, -40
GTIN (EAN)	4064675048480	°C...85 °C
Qty.	1 ST	

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Type	IE-SFP-10GE-SM-40	Version
Order No.	2779130000	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 40 km, -40
GTIN (EAN)	4064675048497	°C...85 °C
Qty.	1 ST	