

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, 10-Gigabit Ethernet, Number of ports: 2x 10GBaseSFP+ slot, -40 °C...60 °C
Order No.	2779210000
Type	IE-SWM-SL02-2GESFP+
GTIN (EAN)	4064675048572
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	136 mm	Depth (inches)	5.354 inch
Height	40.7 mm	Height (inches)	1.602 inch
Width	99 mm	Width (inches)	3.898 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 conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
	Altitude, max.	6,000 m	
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	
Operating temperature, max.	60 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

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

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	3,814,097 h

Power supply

Voltage supply	via Ethernet switch
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Technical data

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

Classifications

ETIM 6.0	EC000309	ETIM 7.0	EC000309
ETIM 8.0	EC000309	ETIM 9.0	EC000309
ETIM 10.0	EC000309	ECLASS 9.1	19-17-03-90
ECLASS 10.0	19-17-04-90	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

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Technical data

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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Environmental Product Compliance

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

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
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Engineering Data	CAD data – STEP Configuration tutorials – Video Tutorial Substation Line
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User Documentation	Application notes – Industrial Product Security Guideline Compatibility information – SubstationLine Configurator
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Catalogues	Catalogues in PDF-format
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www.weidmueller.com**Accessories****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-10GE-SM-20	Version
Order No.	2779120000	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 20 km, -40 °C...85 °C
GTIN (EAN)	4064675048480	
Qty.	1 pc(s).	
Type	IE-SFP-10GE-MM-03	Version
Order No.	2779110000	SFP+ transceiver, 10 Gbps, Multimode, LC-Duplex, 0.3 km, -40 °C...85 °C
GTIN (EAN)	4064675048473	
Qty.	1 pc(s).	
Type	IE-SFP-10GE-SM-40	Version
Order No.	2779130000	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C
GTIN (EAN)	4064675048497	
Qty.	1 pc(s).	