

**IE-SWM-SL04-4GESFP+****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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: 4x 10GBaseSFP+ slot, -40 °C...60 °C
Order No.	<a href="#">2779220000</a>
Type	IE-SWM-SL04-4GESFP+
GTIN (EAN)	4064675048589
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	4x 10GBaseSFP+ slot
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## MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,871,812 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
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		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity</a> <a href="#">RCM Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a> <a href="#">Manufacturer's declaration for operating altitude</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****SFP transceiver (for use with switches of Eco- Advanced- and SubstationLine)****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-MM-03	Version
Order No.	<a href="#">2779110000</a>	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.	<a href="#">2779130000</a>	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C
GTIN (EAN)	4064675048497	
Qty.	1 pc(s).	
Type	IE-SFP-10GE-SM-20	Version
Order No.	<a href="#">2779120000</a>	SFP+ transceiver, 10 Gbps, Singlemode, LC-Duplex, 20 km, -40 °C...85 °C
GTIN (EAN)	4064675048480	
Qty.	1 pc(s).	