

IE-SWM-SL04-4STS**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, Fast Ethernet, Number of ports: 4x ST Single-mode, -40 °C...85 °C
Order No.	2779180000
Type	IE-SWM-SL04-4STS
GTIN (EAN)	4064675048541
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	107 mm	Depth (inches)	4.213 inch
Height	40.7 mm	Height (inches)	1.602 inch
Width	99 mm	Width (inches)	3.898 inch
Net weight	209 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °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.	85 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 MBit/s		
Transceiver type	Singlemode		
Connector type	ST-Duplex		
Transmission distance, typ.	30 km		
Wavelength	typ.	1,310 nm	
Receive power	min.	-34 dBm	
	max.	0 dBm	
Transmission power	min.	-15 dBm	
	max.	-8 dBm	
Link-budget	19 dB		

Guarantee

Time interval	5 years
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Interfaces

Fibre-optic ports	100BaseFX ports (ST connector), Singlemode	Number of ports	4x ST Single-mode
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MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	401,287 h

Power supply

Voltage supply	via Ethernet switch
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Housing main material	Metal	Speed	Fast Ethernet
Type of mounting	Insert in module slot M1,M2,M3		

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

Approvals

Approvals



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

Environmental Product Compliance

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

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP Configuration tutorials – Video Tutorial Substation Line
User Documentation	Application notes – Industrial Product Security Guideline Compatibility information – SubstationLine Configurator
Catalogues	Catalogues in PDF-format