

## IE-SWM-SL04-4ST

Weidmüller Interface GmbH &amp; 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, Fast Ethernet, Number of ports: 4x ST Multi-mode, -40 °C...85 °C
Order No.	<a href="#">2779190000</a>
Type	IE-SWM-SL04-4ST
GTIN (EAN)	4064675048558
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	348 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	Multimode		
Connector type	ST-Duplex		
Transmission distance, typ.	2 km		
Wavelength	typ.	1,310 nm	
Receive power	min.	-31 dBm	
	max.	0 dBm	
Transmission power	min.	-23.5 dBm	
	max.	-14 dBm	
Link-budget	7.5 dB		

## Guarantee

Time interval	5 years
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## Interfaces

Fibre-optic ports	100BaseFX ports (ST connector), Multimode	Number of ports	4x ST Multi-mode
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## MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	314,863 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
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		

**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>