

IE-SWM-SL04-4SCS

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 SC Single-mode, -40 °C...85 °C
Order No.	2779160000
Type	IE-SWM-SL04-4SCS
GTIN (EAN)	4064675048527
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	107 mm	Depth (inches)	4.2126 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...85 °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.	85 °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

Fibre optic transceiver characteristics

Transmission rate	100 MBit/s	
Transceiver type	Singlemode	
Connector type	SC-Duplex	
Transmission distance, typ.	30 km	
Wavelength	typ.	1310 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 (SC connector), Singlemode	Number of ports	4x SC Single-mode
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MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	401287 h

Power supply

Supply voltage	via Ethernet switch
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Technical data

Housing main material	Metal	Type of mounting	Insert in module slot M1,M2,M3
Speed	Fast 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		