

IE-SWM-SL04-4ST

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Germany

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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.	2779190000
Type	IE-SWM-SL04-4ST
GTIN (EAN)	4064675048558
Qty.	1 items

Technical data

Approvals

Approvals



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	Multimode	
Connector type	ST-Duplex	
Transmission distance, typ.	2 km	
Wavelength	typ.	1310 nm
	min.	-31 dBm
Receive power	max.	0 dBm
	min.	-23.5 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.	314863 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		