Data sheet

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 Ethenet 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

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	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

MTBF

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

Power supply

Supply voltage	via Ethernet switch

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		