FL SWITCH 4808E-16FX SM LC-4GC - Industrial Ethernet Switch

2891074

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Rack-mount managed Ethernet switch meets IEC 61850-3 and IEEE 1613. Provides eight RJ45 ports at 10/100 Mbps, 16 LC SM fiber ports at 100 Mbps and four gigabit combo ports (10/100/1000 Mbps RJ45 connection; 1000 Mbps fiber optic connection requires 1000 Mbps SFP module).

Your advantages

- Network structure according to IEC 61850
- IEEE 1613

Commercial data

Item number	2891074
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN125
Product key	DNN125
GTIN	4046356764384
Weight per piece (including packing)	4,700 g
Weight per piece (excluding packing)	4,700 g
Customs tariff number	85176200
Country of origin	TW

Technical data

Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

Mounting

Mounting type	Rack mount, includes brackets

Interfaces

Ethernet (RJ45)

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m
No. of channels	8 (RJ45 ports)

Fiber optic interface

Connection method	LC
Transmission speed	100 Mbps (Full duplex)
Transmission physics	Single-mode fiberglass
Transmission length	40 km (typical)
No. of channels	16 (Singlemode)

Ethernet (RJ45/FO combo)

Connection method	SFP/RJ45
Note on the connection method	Auto negotiation and autocrossing (RJ45 interface)
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45 (10/100/1000 Mbps) or SFP (1000 Mbps)
No. of channels	4

Product properties

Product type	Switch
Product family	Managed Switch 4000
Type	Block design
MTTF	8.4 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Switch functions

Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port
Basic functions	Store and forward switch, Extended Ring and IEEE redundancy,

	Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts
Redundancy functions	ERR (Extended ring redundancy)

Electrical properties

Current consumption	476 mA (115 V AC from FL SWITCH 4800E-P5)
Transmission medium	Copper
	FO

Supply

Power supply connection	From FL SWITCH 4800E-P...
Inrush current	19.2 A (48 V DC from FL SWITCH 4800E-P1)
	18.2 A (115 V AC from FL SWITCH 4800E-P5)
Current consumption	476 mA (115 V AC from FL SWITCH 4800E-P5)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)

EMC data

Noise immunity	IEC 61850-3, IEEE 1613, EN 61000-6-2: 2005

Noise emission

Standards/regulations	EN 61000-6-4

Signaling

Status display	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port

Classifications

UNSPSC

UNSPSC 21.0	43222612

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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