

# FL SWITCH 4800E-24SFX-4GC - Industrial Ethernet Switch



1287360

<https://www.phoenixcontact.com/pc/products/1287360>

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Rack-mount, managed Ethernet switch meets IEC 61850-3 and IEEE 1613. It provides 24 SFP ports at 100 Mbps and four Gbps combo ports.



## Your advantages

- Network structure according to IEC 61850
- IEEE 1613

## Commercial data

Item number	1287360
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNN125
GTIN	4063151512569
Weight per piece (including packing)	5,141 g
Weight per piece (excluding packing)	3,708 g
Customs tariff number	85176200
Country of origin	TW

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## Technical data

### Dimensions

Width	442 mm
Height	44 mm
Depth	375 mm

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Mounting

Mounting type	Rack mount, includes brackets
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### Interfaces

#### Ethernet (SFP)

Number of interfaces	24
Connection method	SFP
Transmission speed	100 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 40 km (Depending on the SFP module used)
Signal LEDs	Data receive, link status
No. of channels	24 (SFP ports)

### Product properties

Type	Block design
Product type	Switch
Product family	Managed Switch 4000
MTTF	8.8 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) 202.2 Years (SN 29500 standard, temperature 25°C, operating cycle 21%) 244.9 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))

#### Switch functions

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	ERR (Extended ring redundancy)
Status and diagnostic indicators	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port

#### Security functions

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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
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## Electrical properties

Transmission medium	Copper
	depending on the SFP module used

## Supply

Power supply connection	From FL SWITCH 4800E-P...
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## 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	EN 61000-6-4

## System properties

### Functionality

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
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## Signaling

Status display	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1287360>



**EAC**

Approval ID: RU\*-DE.\*.B.00312/20

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## Classifications

### ECLASS

ECLASS-11.0	19170401
ECLASS-12.0	19170401
ECLASS-13.0	19170401

### ETIM

ETIM 8.0	EC000734
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Mandatory accessories

### FL SWITCH 4800E-P1B - Power module

1312459

<https://www.phoenixcontact.com/pc/products/1312459>



Modular power supply for FL SWITCH 48... managed switches. Wide input voltage range 36 V DC to 75 V DC.

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### FL SWITCH 4800E-P5B - Power module

1312448

<https://www.phoenixcontact.com/pc/products/1312448>



Modular power supply for FL SWITCH 48... managed switches. Wide input voltage range 90 V,AC to 264 V AC and 88 V DC to 300 V DC.

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## Accessories

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## DT-LAN-CAT.6+ - Surge protection device

2881007

<https://www.phoenixcontact.com/pc/products/2881007>



Surge protection in accordance with Class E<sub>A</sub> (CAT6<sub>A</sub>), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE++ / 4PPoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

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## FL CAT5 PATCH 0,5 - Patch cable

2832263

<https://www.phoenixcontact.com/pc/products/2832263>



Patch cable, CAT5, assembled, 0.5 m



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## FL CAT5 PATCH 1,0 - Patch cable

2832276

<https://www.phoenixcontact.com/pc/products/2832276>

Patch cable, CAT5, assembled, 1 m



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## FL CAT5 PATCH 2,0 - Patch cable

2832289

<https://www.phoenixcontact.com/pc/products/2832289>

Patch cable, CAT5, assembled, 2 m



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## NBC-R4AC-R4AC-IE8A/.../... - Patch cable

1411854

<https://www.phoenixcontact.com/pc/products/1411854>



Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, cable outlet: straight, Ethernet

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## NBC-R4AC/10G-R4AC/10G-94F/2,0 - Patch cable

1408360

<https://www.phoenixcontact.com/pc/products/1408360>



Patch cable, CAT6<sub>A</sub>, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

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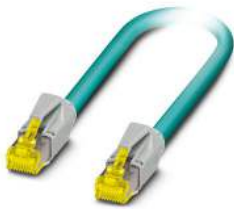
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NBC-R4AC/10G-R4AC/10G-94F/3,0 - Patch cable

1408365

<https://www.phoenixcontact.com/pc/products/1408365>



Patch cable, CAT6<sub>A</sub>, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

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