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

1287360

https://www.phoenixcontact.com/us/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
Sales key	DN17
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

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

Mounting

Mounting type	Rack mount, includes brackets

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

Product type	Switch
Product family	Managed Switch 4000
Type	Block design
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_{S1}, U_{S2} (redundant voltage supply), link and activity per port

Security 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

Electrical properties

Transmission medium	Copper
	depending on the SFP module used

Supply

Power supply connection	From FL SWITCH 4800E-P...

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)

Standards and regulations

Standards/specifications	IEC 61850

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

Signaling

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

Approvals

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

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000734

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

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

EU REACH SVHC

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

Mandatory accessories

FL SWITCH 4800E-P1B - Power module

1312459

https://www.phoenixcontact.com/us/products/1312459

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



FL SWITCH 4800E-P5B - Power module

1312448

https://www.phoenixcontact.com/us/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.



Accessories

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

2881007

https://www.phoenixcontact.com/us/products/2881007



Surge protection in accordance with Class E_A ($CAT6_A$), 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.

FL CAT5 PATCH 0,5 - Patch cable

2832263

https://www.phoenixcontact.com/us/products/2832263



Patch cable, CAT5, assembled, 0.5 m

FL CAT5 PATCH 1,0 - Patch cable

2832276

https://www.phoenixcontact.com/us/products/2832276



Patch cable, CAT5, assembled, 1 m

FL CAT5 PATCH 2,0 - Patch cable

2832289

https://www.phoenixcontact.com/us/products/2832289

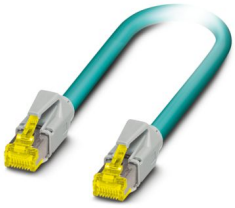


Patch cable, CAT5, assembled, 2 m

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

1411854

https://www.phoenixcontact.com/us/products/1411854

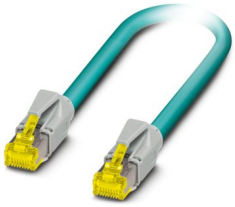


Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, cable outlet: straight, Ethernet

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

1408360

https://www.phoenixcontact.com/us/products/1408360



Patch cable, $CAT6_A$, 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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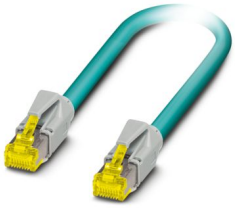
NBC-R4AC/10G-R4AC/10G-94F/3,0 - Patch cable

1408365

https://www.phoenixcontact.com/us/products/1408365



Patch cable, $CAT6_A$, 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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