

1102079

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Unmanaged PoE Switches 1000 10/100/1000 Mbps, 8 RJ45 ports 10/100/1000 Mbps, PROFINET Conformance-Class A

Your advantages

- · Additional isolation for greater safety in SELV and PELV installations
- · Local diagnostic indicators with LEDs
- · Auto negotiation and autocrossing detection simplifies installation and setup
- · PROFINET Conformance Class A for real-time data exchange
- Automatic detection of IEEE 802.3at or 802.3af powered devices
- · QoS-prioritized (Quality of Service) messages
- · Enhanced traffic prioritization for automation protocols
- · Energy-efficient Ethernet in accord. with IEEE 802.3az
- Transmission speed of 10/100/1000 Mbps on all RJ45 ports
- PROFINET PTCP filter for reliable communication on PROFINET networks

Commercial data

Item number	1102079
Packing unit	1 pc
Sales key	DN18
Product key	DNN115
GTIN	4055626961569
Weight per piece (including packing)	652 g
Weight per piece (excluding packing)	636.2 g
Customs tariff number	85176200
Country of origin	TW



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Technical data

Dimensions

Dimensions	
Width	27 mm
Height	130 mm
Depth	120 mm
Notes	
Notes on operation	Mode A PoE
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area
Mounting	
Mounting type	DIN rail mounting
Interfaces	
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
Ethernet (PoE)	
Connection method	RJ45
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
No. of channels	8 (RJ45 ports)

Product properties

Product type	Switch
Product family	Unmanaged PoE Switches 1000
Туре	Stand-Alone
MTTF	49.4 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
witch functions	
Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes
PROFINET conformance class	Conformance-Class A



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MAC address table	4k
Status and diagnostic indicators	LEDs: U_{S} (voltage supply), Link/Activity and PoE per Ethernet port
Additional functions	Autonegotiation
Security functions	
Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes

Electrical properties

Supply	
Supply voltage (DC)	24 V DC
	48 V DC
Supply voltage range	19 V DC 57 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm ²
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	8.29 A (Maximum, nominal load)
Typical current consumption	170 mA

Connection data

Connection technology		
Connection name	Power supply	
Power supply		
Connection method	Screw connection	
Conductor cross section, rigid	0.2 mm ² 2.5 mm ²	
Conductor cross section, flexible	0.2 mm ² 2.5 mm ²	
Conductor cross section AWG	24 12	

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-10 °C 60 °C
Ambient temperature (storage/transport)	-20 °C 85 °C
Altitude	max. 2000 m
Permissible humidity (operation)	5 % 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % 95 % (non-condensing)
Shock (operation)	30g (EN 60068-2-27)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	57 kPa 108 kPa up to 2000 m above mean sea level (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa 108 kPa up to 2000 m above mean sea level (up to 4850 m above mean sea level)



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Approvals

	Conformity/Approvals	
	Conformance	CE-compliant
	UL, USA / Canada	UL 61010-1, UL 61010-2-201
-	stem properties	
	Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 9216 bytes
Się	gnaling	
	Status display	LEDs: ${\rm U}_{\rm S}$ (voltage supply), Link/Activity and PoE per Ethernet port



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1102079



CUL Listed
Approval ID: FILE E 238705

cULus Listed



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Classifications

ECLASS

ECLASS-11.0	19170402
ECLASS-12.0	19170402
ECLASS-13.0	19170402

ETIM

	ETIM 9.0	EC000734	
UN	UNSPSC		
	UNSPSC 21.0	43222600	



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Environmental product compliance

EU RoHS

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

QUINT4-PS/1AC/48DC/5 - Power supply unit

2904610 https://www.phoenixcontact.com/us/products/2904610



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 5 A

QUINT4-PS/1AC/48DC/10 - Power supply unit

2904611

https://www.phoenixcontact.com/us/products/2904611



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 10 A



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TRIO-PS-2G/1AC/48DC/5 - Power supply unit

2903159

https://www.phoenixcontact.com/us/products/2903159



Primary-switched TRIO power supply for DIN rail mounting, input: 1-phase, output: 48 V DC / 5 A, dynamic boost, tool-free fast connection technology for solid and stranded conductors with ferrule

TRIO-PS-2G/1AC/48DC/10 - Power supply unit

2903160

https://www.phoenixcontact.com/us/products/2903160



Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: single phase, output: 48 V DC/10 A



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UNO-PS/1AC/24DC/150W - Power supply unit

2904376

https://www.phoenixcontact.com/us/products/2904376



Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/150 W

UNO-PS/1AC/24DC/240W - Power supply unit

2904372 https://www.phoenixcontact.com/us/products/2904372



Please use the following item in new systems: 1096432. Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC / 240 W



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UNO2-PS/1AC/48DC/240W - Power supply unit

1110155

https://www.phoenixcontact.com/us/products/1110155



Primary-switched power supply unit, UNO POWER, Screw connection, DIN rail mounting, input: 1-phase, output: 48 V DC / 5 A, adjustable from 42 V DC ... 56 V DC

FL PD 1001 T GT - Ethernet module

2891042 https://www.phoenixcontact.com/us/products/2891042



Factoryline Power over Ethernet splitter (PD) for separating power and data according to IEEE 802.3af and at, no configuration required, can be used with 10, 100, 1000 Mbps networks, 24 V DC output voltage



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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



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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



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

1411854

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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

FL DIN RA - DIN rail adapter

2891053 https://www.phoenixcontact.com/us/products/2891053

The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.





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FL RJ45 PROTECT CAP - Dust protection

2832991

https://www.phoenixcontact.com/us/products/2832991

Dust protection caps for RJ45 socket

E/NS 35 N - End bracket

0800886 https://www.phoenixcontact.com/us/products/0800886



End clamp, width: 9.5 mm, color: gray

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