

1026937

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Unmanaged PoE Switches 1000, 1 RJ45 port 10/100/1000 Mbps, 4 RJ45 ports 10/100/1000 Mbps

Your advantages

- · POE status LED per port
- Wide-range power supply of 18 ... 57 V DC
- Wide -40° ... +75°C temperature range
- · Autocrossing
- · Auto negotiation
- · Redundant power supply
- Automatic detection of IEEE 802.3at or 802.3af powered devices

Commercial data

Item number	1026937
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18
Product key	DNN115
Catalog page	Page 303 (C-6-2019)
GTIN	4055626519692
Weight per piece (including packing)	623.1 g
Weight per piece (excluding packing)	623 g
Customs tariff number	85176200
Country of origin	TW



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Technical data

Dimensions

Width	30 mm
Height	149 mm
Depth	107.8 mm

Notes

Notes on operation	Mode A PoE
Note on application	
Note on application	Only for industrial use
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

Mounting

Mounting type	DIN rail mounting
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Interfaces

Ethernet

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
No. of channels	1 (RJ45 port)

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	4 (RJ45 ports)

Product properties

Product type	Switch
Product family	Unmanaged PoE Switches 1000
Туре	Stand-Alone
MTTF	72.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Data management status



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jumbo frames up to 10240 bytes, alarm contact		
Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/8	Article revision	02
redundant power supply, PoE according to IEEE 802.3at/802.3at jumbo frames up to 10240 bytes, alarm contact jumbo frames up to 10240 bytes, alarm contact Signal contact control current 0.5 Å Status and diagnostic indicators 1.5 Å. Status and diagnostic indicators 1.5 Å. Additional functions 1.5 Å. Security functions 2.5 Å. Basic functions 3.5 Å. Store-and-forward switch, 10/100/1000 Mbps, auto negotiation redundant power supply, PoE according to IEEE 802.3at/802.3at jumbo frames up to 10240 bytes, alarm contact 1.5 Å. Electrical properties 1.5 Å. Local diagnostics 2.5 Å. Local diagnostics 3.5 Å. US1, US2 Supply voltage Green LED 4. PoE PoE detection Orange LED 5. Alarm Power failure at US1 or US2/Link failure 1.28 W (at 48 V DC) 1.24 V DC 1.25 V DC 1.24 V DC 1.25 V	Switch functions	
Signal contact control current Status and diagnostic indicators LEDs: Us;	Basic functions	redundant power supply, PoE according to IEEE 802.3at/802.3af,
Status and diagnostic indicators LEDs: U _{S1} , U _{S2} (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port Additional functions Security functions Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3a jumbo frames up to 10240 bytes, alarm contact Electrical properties Local diagnostics US1, US2 Supply voltage Green LED PoE PoE detection Orange LED LNK/ACT Link status/data transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply voltage (DC) Supply voltage at 48 V DC Supply voltage arange 18 V DC 57 V DC Supply voltage range 18 V DC 57 V DC Inrush current 12.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{PP} (within the permitted voltage range) Max. current consumption 4.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control voltage 48 V DC Connection technology Connection name Power supply Connection method Conductor cross section, figid Conductor cross section, figid Conductor cross section, fixede Conductor cross section, flexible 0.2 mm² 2.5 mm²	Signal contact control voltage	48 V DC
Additional functions Autonegotiation Security functions Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3a/802.3s jumbo frames up to 10240 bytes, alarm contact Electrical properties Local diagnostics US1, US2 Supply voltage Green LED PoE PoE detection Orange LED LNK/ACT Link statuk/ada transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) Supply voltage (DC) Supply voltage and B V DC Supply connection Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{FP} (within the permitted voltage range) Max. current consumption 17 yicial current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage Signal contact control voltage Signal contact control current Connection data Connection technology Connection method Conductor cross section, rigid Conductor cross section, rigid Conductor cross section, flexible 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Signal contact control current	0.5 A
Security functions Basic functions Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply. PoE according to IEEE 802.3at/802.3aj jumbo frames up to 10240 bytes, alarm contact Electrical properties Local diagnostics US1, US2 Supply voltage Green LED PoE PoE detection Orange LED LINK/ACT Link status/data transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) 24 V DC Supply voltage (DC) 24 V DC Supply voltage arange 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{pre} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 166 mA (at U _S = 24 V DC) Function Signal contact control voltage Signal contact control current Connection data Connection technology Connection name Power supply Connection method Conductor cross section, rigid Conductor cross section, flexible 0.2 mm² 2.5 mm² Conductor cross section, flexible	Status and diagnostic indicators	
Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3s jumbo frames up to 10240 bytes, alarm contact	Additional functions	Autonegotiation
Basic functions Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3s jumbo frames up to 10240 bytes, alarm contact	Security functions	
Local diagnostics US1, US2 Supply voltage Green LED PoE PoE detection Orange LED LNK/ACT Link status/data transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) Supply voltage (DC) Supply voltage 48 V DC Supply voltage arange 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 Vpp (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²		redundant power supply, PoE according to IEEE 802.3at/802.3af,
PoE PoE detection Orange LED LNK/ACT Link status/data transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) 24 V DC Supply voltage 48 V DC Supply voltage ange 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V pp (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Electrical properties	
LNK/ACT Link status/data transmission Green LED Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) 24 V DC Supply voltage ange 48 V DC Supply voltage range 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 μs) Residual ripple 3.6 Vpp (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Local diagnostics	US1, US2 Supply voltage Green LED
Alarm Power failure at US1 or US2/Link failure Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) Supply voltage (DC) Supply voltage ange 18 V DC Supply voltage range Power supply connection Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{PP} (within the permitted voltage range) Max. current consumption 5.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible		PoE PoE detection Orange LED
Maximum power dissipation for nominal condition 128 W (at 48 V DC) Supply Supply voltage (DC) Supply voltage (DC) Supply voltage ange 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple Max. current consumption Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible		LNK/ACT Link status/data transmission Green LED
Supply voltage (DC) Supply voltage 48 V DC Supply voltage 48 V DC Supply voltage range 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{PP} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible		Alarm Power failure at US1 or US2/Link failure
Supply voltage (DC) Supply voltage 48 V DC Supply voltage range 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{PP} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection data Connection name Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Maximum power dissipation for nominal condition	128 W (at 48 V DC)
Supply voltage Supply voltage range 18 V DC 57 V DC Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 μs) Residual ripple 3.6 V _{PP} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Supply	
Supply voltage range Power supply connection Via COMBICON, max. conductor cross section 2.5 mm² Inrush current 32.1 A (24 V DC for 3540 µs) Residual ripple 3.6 V _{pp} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Supply voltage (DC)	24 V DC
Power supply connection Via COMBICON, max. conductor cross section 2.5 mm^2 Inrush current $32.1 \text{ A} (24 \text{ V DC for } 3540 \mu\text{s})$ Residual ripple 3.6 V_{PP} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at $\text{U}_{S} = 24 \text{ V DC}$) Function Signal contact control voltage Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid $0.2 \text{ mm}^2 \dots 2.5 \text{ mm}^2$ Conductor cross section, flexible $0.2 \text{ mm}^2 \dots 2.5 \text{ mm}^2$	Supply voltage	48 V DC
Inrush current 32.1 A (24 V DC for 3540 μ s) Residual ripple 3.6 V_{PP} (within the permitted voltage range) Max. current consumption 6.93 A (Maximum, nominal load) Typical current consumption 165 mA (at $U_S = 24 \text{ V DC}$)	Supply voltage range	18 V DC 57 V DC
Residual ripple Max. current consumption Typical current consumption Signal contact control voltage Signal contact control current Connection data Connection name Power supply Connection method Conductor cross section, rigid Conductor cross section, flexible 3.6 V _{PP} (within the permitted voltage range) 3.6 V _{PP} (within the permitted voltage range) 4.9 V DC 5.5 A	Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm²
Max. current consumption Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid Conductor cross section, flexible 0.2 mm² 2.5 mm²	Inrush current	32.1 A (24 V DC for 3540 μs)
Typical current consumption 165 mA (at U _S = 24 V DC) Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Function Signal contact control voltage 48 V DC Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Max. current consumption	6.93 A (Maximum, nominal load)
Signal contact control voltage Signal contact control current 0.5 A Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible	Typical current consumption	165 mA (at U _S = 24 V DC)
Signal contact control current Connection data Connection technology Connection name Power supply Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Function	
Connection data Connection technology Connection name Power supply Power supply Connection method Connection method Conductor cross section, rigid Conductor cross section, flexible O.2 mm² 2.5 mm² O.2 mm² 2.5 mm²	Signal contact control voltage	48 V DC
Connection technology Connection name Power supply Connection method Screw connection Conductor cross section, rigid Conductor cross section, flexible 0.2 mm² 2.5 mm² 0.2 mm² 2.5 mm²	Signal contact control current	0.5 A
Connection name Power supply Connection method Conductor cross section, rigid Conductor cross section, flexible O.2 mm² 2.5 mm² O.2 mm² 2.5 mm²	Connection data	
Power supply Connection method Screw connection Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Connection technology	
Connection method Conductor cross section, rigid Conductor cross section, flexible O.2 mm² 2.5 mm² O.2 mm² 2.5 mm²	Connection name	Power supply
Conductor cross section, rigid 0.2 mm² 2.5 mm² Conductor cross section, flexible 0.2 mm² 2.5 mm²	Power supply	
Conductor cross section, flexible 0.2 mm² 2.5 mm²	Connection method	Screw connection
	Conductor cross section, rigid	0.2 mm² 2.5 mm²
	Conductor cross section, flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG 24 12	Conductor cross section AWG	24 12



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Stripping longth	7 mm
Stripping length	7 111111
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP30
Ambient temperature (operation)	-40 °C 75 °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)
Approvale	
Approvals	
Conformity/Approvals	
Conformance	CE-compliant CE-compliant
EMC data	
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-4-4 (burst) Criterion A
	IEC 61000-4-5 (surge) Criterion B
	IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-4-8 (immunity to magnetic fields) Criterion A
	EN 55022 (emitted interference) Criterion A
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
System properties	
Functionality	
Functionality Racio functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation,
Basic functions	redundant power supply, PoE according to IEEE 802.3at/802.3af,
	jumbo frames up to 10240 bytes, alarm contact
Cianalina	
Signaling	
Status display	LEDs: U _{S1} , U _{S2} (redundant voltage supply), Alarm (alarm
	contact), 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/1026937



EAC

Approval ID: RU*-DE.*.B.00741/19



UL Listed

Approval ID: E238705



cUL Listed

Approval ID: E238705



KC

Approval ID: R-R-PCK-1026937

cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	19170402
ECLASS-12.0	19170402
ECLASS-13.0	19170402
ETIM	
ETIM 9.0	EC000734
UNSPSC	

43222600



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 6(a)-l, 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)
SCIP	e65e70d5-e16b-4d49-b28f-493ac3a4e49a

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