

2891029

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Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in SC-D format, single mode fiberglass, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

Your advantages

- RJ45 ports support a transmission speed of 10/100 Mbps
- Fiber-optic ports support 100 Mbps
- · Local diagnostic indicators with LEDs
- · Auto negotiation and autocrossing detection simplifies installation and setup

Commercial data

Item number	2891029
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN
Product key	DNN113
Catalog page	Page 289 (C-6-2019)
GTIN	4046356588102
Weight per piece (including packing)	280.8 g
Weight per piece (excluding packing)	280.8 g
Customs tariff number	85176200
Country of origin	TW



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Technical data

Dimensions

Width	28 mm
Height	110 mm
Depth	70 mm

Notes

Note on application

Note on application	Only for industrial use
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Material specifications

Housing material	Aluminum
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Mounting

Mounting type	DIN rail mounting

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 (per segment)
Signal LEDs	Data receive, link status
No. of channels	4 (RJ45 ports)

Fiber optic interface

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Connection method	SC
Transmission speed	100 Mbps (full duplex)
Transmission physics	Single-mode fiberglass
Transmission length	25 km (fiberglass with F-G 9/125 0.5 dB/km)
Wavelength	1310 nm
No. of channels	1 (SC single mode)

Product properties

Product type	Switch
Product family	Unmanaged Switch SFNB
Туре	Block design
MTTF	130.5 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

Data management status

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Article revision	05



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Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U _S , link and activity per port
Additional functions	Autonegotiation
Security functions	
Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode

Electrical properties

Local diagnostics	US Supply voltage Green LED
	LNK/ACT Link status/data transmission Green LED
	100 Data transmission speed Yellow LED
Maximum power dissipation for nominal condition	4.2 W
Transmission medium	Copper

Supply

Supply	
Supply voltage (DC)	24 V DC
Supply voltage range	12 V DC 48 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Typical current consumption	175 mA (at U _s = 24 V DC)

Connection data

Connection method	Screw connection
Conductor cross section, rigid	0.2 mm² 2.5 mm²
Conductor cross section, flexible	0.2 mm ² 2.5 mm ²
Conductor cross section AWG	30 12
Stripping length	7 mm

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
Permissible humidity (operation)	5 % 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % 95 % (non-condensing)
Air pressure (operation)	86 kPa 108 kPa (up to 1500 m above sea level)
Air pressure (storage/transport)	66 kPa 108 kPa (up to 3500 m above sea level)

Approvals

Conformity/Approvals

UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D
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EMC data

Noise immunity	EN 61000-6-2
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4

System properties

Functionality

Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3,
	store and forward switching mode

Signaling

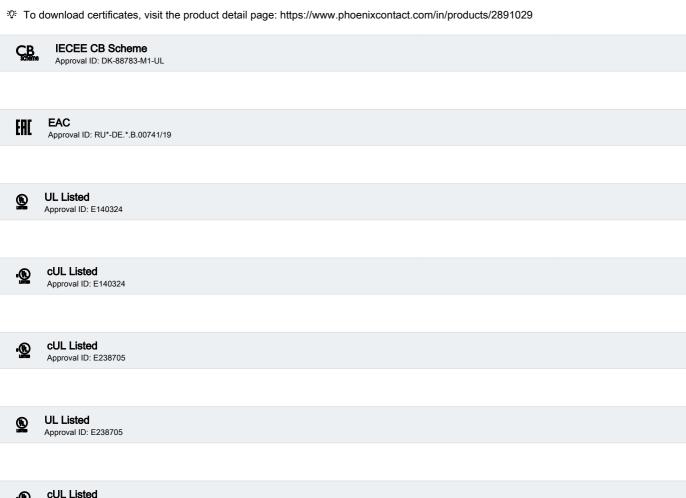
Status display	LEDs: U _S , link and activity per port
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Approvals





UL Listed
Approval ID: E199827

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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		

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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)
SCIP	89d36862-0586-4d27-958c-7e10f8e88275

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