

2891021

https://www.phoenixcontact.com/us/products/2891021

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Ethernet switch, 5 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

Your advantages

- · DC and AC power supplies
- · RJ45 ports support a transmission speed of 10/100 Mbps
- Fiber-optic ports support 100 Mbps
- · QoS-prioritized (Quality of Service) messages
- · Local diagnostic indicators with LEDs
- · The switch also offers cable locking and port blocking
- · Auto negotiation and autocrossing detection simplifies installation and setup

Commercial data

Item number	2891021
Packing unit	1 pc
Sales key	DN19
Product key	DNN113
Catalog page	Page 292 (C-6-2019)
GTIN	4046356457156
Weight per piece (including packing)	448.5 g
Weight per piece (excluding packing)	277 g
Customs tariff number	85176200
Country of origin	TW



2891021

https://www.phoenixcontact.com/us/products/2891021

Technical data

Dimensions

Width	30 mm
Height	120 mm
Depth	70 mm
Material specifications	
Housing material	Aluminum
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
No. of channels	5 (RJ45 ports)

Product properties

Туре	Block design
Product type	Switch
Product family	Unmanaged Switch SFN
MTTF	199.7 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
nsulation characteristics	
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
Switch functions	
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
ectrical properties	
Local diagnostics	US Supply voltage Green LED
	LNK/ACT Link status/data transmission Green LED
	100 Data transmission speed Yellow LED
	2.74 W



2891021

https://www.phoenixcontact.com/us/products/2891021

Test section	500 V DC 1 min.
Transmission medium	Copper
Supply	
Supply voltage (AC/DC)	24 V AC/DC
Supply voltage range	20 V AC 28 V AC
	12 V DC 32 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)
Typical current consumption	114 mA (at U _S = 24 V AC)
onnection data	
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	30 12
Stripping length	7 mm
Ambient conditions	IP20
Degree of protection	
Ambient temperature (operation)	0° C 0° C 0° C
Ambient temperature (storage/transport)	-20 °C 70 °C
Permissible humidity (operation) Permissible humidity (storage/transport)	5 % 95 % (non-condensing) 5 % 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
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)
Resistance to gases that may endanger the functions, in acc. with DIN 40046-36, DIN 40046-37	Sulfur dioxide (SO ₂) 10 ±0.3 cm ³ /m ³ , hydrogen sulfide (H ₂ S) 1 ±0.3 cm ³ /m ³ , at 25°C and 75% humidity and exposure of four days
andards and regulations	
Free from substances that could impair the application of coating	In acc. with VW specification
provals	
Conformity/Approvals	
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D
//C 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 B
	IEC 61000-4-4 (burst) Criterion B IEC 61000-4-5 (surge) Criterion B



2891021

https://www.phoenixcontact.com/us/products/2891021

	EN 55022 (emitted interference) Criterion A
Noise immunity	EN 61000-6-2:2005
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
ystem properties	
Functionality	
Eunctionality Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3 store and forward switching mode
Basic functions	

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com

https://www.phoenixcontact.com