

2891021

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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



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### 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 <sub>S</sub> , 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



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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 <sup>2</sup>
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Typical current consumption	114 mA (at U <sub>S</sub> = 24 V AC)
onnection data	
Conductor cross section, rigid	0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup>
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 <sub>2</sub> ) 10 ±0.3 cm <sup>3</sup> /m <sup>3</sup> , hydrogen sulfide (H <sub>2</sub> S) 1 ±0.3 cm <sup>3</sup> /m <sup>3</sup> , 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



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	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	

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