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Ethernet switch, 6 RJ45 ports, 10/100/1000 Mbps on all RJ45 ports, 2 single mode SC-D ports with high range, 1 Gbps full duplex, auto negotiation (RJ45), autocrossing function, with signal contact and QoS, extended temperature range

#### Your advantages

- Auto negotiation and autocrossing detection simplifies installation and setup
- Relay contact for alarm processing of voltage states
- ✓ All ports offer transmission speeds of 1000 Mbps
- ☑ Jumbo frame support (frame size up to 9600 bytes/frame)



# **Key Commercial Data**

Packing unit	1 pc
GTIN	4 046356 101202
GTIN	4046356101202
Weight per Piece (excluding packing)	560.000 g
Custom tariff number	85176200
Country of origin	Taiwan

#### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

#### **Dimensions**

Width	50 mm



# Technical data

#### **Dimensions**

Height	120 mm
Depth	70 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C 75 °C
Ambient temperature (storage/transport)	-35 °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)

#### Interfaces

Interface	Ethernet (RJ45)
No. of ports	6 (RJ45 ports)
Note on the connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100/1000 Mbps
Interface	Fiber optic interface
No. of ports	2 (SC single mode)
Transmission physics	Single-mode fiberglass
Transmission speed	1000 Mbps (full duplex)
Transmission length	10000 m (Fiberglass 9/125)
Wavelength	1310 nm
Interface	Potential-free signaling contact
Connection method	Plug-in/screw connection via COMBICON

#### **Function**

Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode
Additional functions	Autonegotiation
	Jumbo frames (Max. 9,600 bytes)
PROFINET conformance class	Conformance-Class A
Status and diagnostic indicators	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port
Signal contact control voltage	Monitoring of the redundant supply voltage

# Network expansion parameters

Cascading depth	Network, linear, and star structure: any
Maximum conductor length (twisted pair)	100 m



# Technical data

# Supply voltage

Supply voltage	24 V DC (redundant)
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Supply voltage range	9 V DC 32 V DC
Typical current consumption	360 mA (at U <sub>S</sub> = 24 V DC)

#### General

Mounting type	DIN rail
Type AX	Block design
Net weight	557.2 g
Housing material	Aluminum
MTTF	24.3 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

# Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

# **Environmental Product Compliance**

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

# Classifications

### eCl@ss

eCl@ss 10.0.1	19170402
eCl@ss 11.0	19170402
eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170106
eCl@ss 9.0	19170106



### Classifications

#### **ETIM**

ETIM 2.0	EC000734
ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 6.0	EC000734
ETIM 7.0	EC000734

#### **UNSPSC**

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43222612
UNSPSC 18.0	43222612
UNSPSC 19.0	43222612
UNSPSC 20.0	43222612
UNSPSC 21.0	43222612

# Approvals

#### Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

# Approval details

UL Listed

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

FILE E 238705

cUL Listed



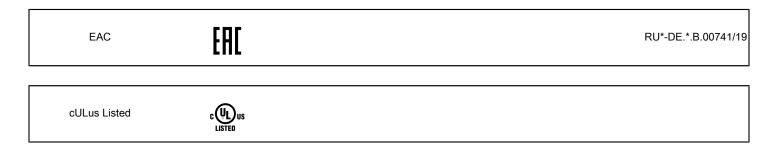
(UL) LISTED

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

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# Approvals



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