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Ethernet Switch, 7 TP RJ45 ports, 1 FO port, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

#### Your advantages

- Auto negotiation and autocrossing detection simplifies installation and setup

- RJ45 ports support a transmission speed of 10/100 Mbps; fiber optic ports support 100 Mbps
- ☑ QoS-prioritized (Quality of Service) messages



# **Key Commercial Data**

| Packing unit | 1 pc            |
|--------------|-----------------|
| GTIN         | 4 046356 100830 |
| GTIN         | 4046356100830   |

#### Technical data

#### Note

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

#### **Dimensions**

| Width  | 50 mm  |
|--------|--------|
| Height | 120 mm |
| Depth  | 70 mm  |

#### Ambient conditions

| Degree of protection                    | IP20                      |
|---|---------------------------|
| Ambient temperature (operation)         | 0 °C 60 °C                |
| Ambient temperature (storage/transport) | -20 °C 70 °C              |
| Permissible humidity (operation)        | 5 % 95 % (non-condensing) |



# Technical data

#### Ambient conditions

| 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                  | 7 (RJ45 ports)                    |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission physics          | Ethernet in RJ45 twisted pair     |
| Transmission speed            | 10/100 Mbps                       |
| Interface                     | Fiber optic interface             |
| No. of ports                  | 1 (SC multi-mode)                 |
| Transmission physics          | multi-mode fiberglass             |
| Transmission speed            | 100 Mbps (full duplex)            |
| Transmission length           | 2000 m (Fiberglass 50/125)        |
|                               | 2000 m (Fiberglass 62.5/125)      |
| Wavelength                    | 1300 nm                           |

#### **Function**

| Basic functions                  | Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode |
|----------------------------------|---|
| Additional functions             | Autonegotiation   |
| Status and diagnostic indicators | LEDs: U <sub>s</sub> , link and activity per port   |

### Network expansion parameters

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

# Supply voltage

| Supply voltage              | 24 V DC  |
|-----------------------------|--|
| 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 | 190 mA (at U <sub>S</sub> = 24 V DC)                     |

#### General

| Mounting type    | DIN rail  |
|------------------|---|
| Type AX          | Block design  |
| Net weight       | 338.6 g   |
| Housing material | Aluminum  |
| MTTF             | 61.7 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                               |



# Technical data

#### Standards and Regulations

| Noise immunity  | EN 61000-6-2:2005                      |
|---|--|
| Vibration (storage/transport)                                     | 5g, 150 Hz, in acc. with IEC 60068-2-6 |
| Free from substances that could impair the application of coating | In acc. with VW specification          |
| 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" |

# Approvals

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Approvals

UL Listed / cUL Listed / EAC / EAC / KC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

#### Approval details

| UL Listed | LISTED | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
|-----------|--------|---|---------------|
|           |        |   |               |

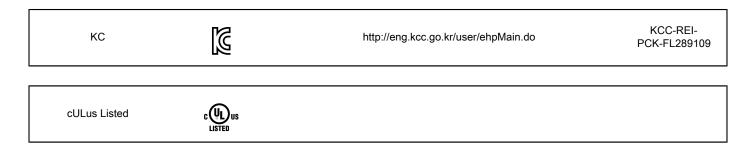
|  | cUL Listed | CUL | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
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| EAC | ERC | EAC-Zulassung |
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| EAC | EAC | DE.A | RU *-<br>.*30.B.01735 |
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# Approvals



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PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany

Tel. +49 5235 300 Fax +49 5235 3 41200

http://www.phoenixcontact.com