

# Industrial Ethernet Switch - FL SWITCH MCS 16TX - 2832700

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Ethernet Managed Compact Switch with 16 10/100 Mbps RJ45 ports




## Your advantages

- RSTP
- VLANs
- MRP (client and master)
- SNMP



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 044141 |
| GTIN         | 4046356044141   |

## Technical data

### Dimensions

|        |        |
|--------|--------|
| Width  | 214 mm |
| Height | 95 mm  |
| Depth  | 69 mm  |

### Ambient conditions

|  |   |
|--|---|
| Degree of protection                     | IP20  |
| Ambient temperature (operation)          | 0 °C ... 55 °C (non-condensing)             |
| Ambient temperature (storage/transport)  | -20 °C ... 70 °C                            |
| Permissible humidity (operation)         | 10 % ... 95 % (non-condensing)              |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing)              |
| Air pressure (operation)                 | 80 kPa ... 108 kPa (2000 m above sea level) |
| Air pressure (storage/transport)         | 66 kPa ... 108 kPa (3500 m above sea level) |

### Interfaces

|             |                 |
|-------------|-----------------|
| Interface 1 | Ethernet (RJ45) |
|-------------|-----------------|

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## Technical data

### Interfaces

|                               |   |
|-------------------------------|---|
| No. of ports                  | 16 (RJ45 ports)                         |
| Note on the connection method | Auto negotiation and autocrossing       |
| Transmission physics          | Copper                                  |
| Transmission speed            | 10/100 Mbps                             |
| Transmission length           | 100 m (per segment)                     |
| Interface 5                   | Serial (RS-232)                         |
| Connection method             | RS-232-C, 6-pos. MINI-DIN socket (PS/2) |

### Function

|                                  |  |
|----------------------------------|--|
| Basic functions                  | Store and forward switch complies with IEEE 802.3 2 priority classes in acc. with IEEE 802.1 P TCP/IP protocol, BootP-capable, port-mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), port security, PROFINET-IO-device, DHCP option 82 relay agent |
| Supported browsers               | Internet Explorer 5.5 or higher  |
| Redundancy                       | STP (Spanning Tree Protocol)   |
|                                  | RSTP (Rapid Spanning Tree Protocol)  |
|                                  | FRD (Fast Ring Detection)  |
|                                  | Large Tree Support   |
|                                  | MRP (Media Redundancy Protocol)  |
| PROFINET device function         | PROFINET device  |
| PROFINET specification           | Version 1.1  |
| Status and diagnostic indicators | LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link and switchable Activity/Speed/Duplex)  |

### 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        | 18.5 V DC ... 30.5 V DC                                  |
| Typical current consumption | 600 mA (at U <sub>S</sub> = 24 V DC)                     |

### General

|               |              |
|---------------|--------------|
| Mounting type | DIN rail     |
| Type AX       | Block design |
| Net weight    | 1355.8 g     |

### Standards and Regulations

|                               |  |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise emission                | EN 61000-6-3/-4                            |
| Noise immunity                | EN 61000-6-2:2005                          |
| Vibration (storage/transport) | 5g, 150 Hz, in acc. with IEC 60068-2-6     |

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#### Standards and Regulations

|                       |  |
|-----------------------|--|
| Vibration (operation) | in acc. with IEC 60068-2-6: 5g, 150 Hz |
|-----------------------|--|

#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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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>

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