

## Technical data sheet

Ethernet · unmanaged switch 4 ports, 10/100 MBit/s

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**QoS - Quality of Service, PROFINET Conformance Class A**  
**4 Fast Ethernet ports RJ-45, usable in the LCOS system**  
**AC/DC 24 V, compact design, extended temperature range**



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### Identification

|          |                             |
|----------|-----------------------------|
| Type     | LCOS-SW-4P                  |
| Part No. | <a href="#">779200.0401</a> |

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### Product version

|                   |    |
|-------------------|----|
| Datasheet version | 03 |
|-------------------|----|

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### Communication

|                              |                            |
|------------------------------|----------------------------|
| Standard                     | IEEE 802.3, 802.3u, 802.3x |
| LAN                          | 10 / 100 Base-TX           |
| Cable length (segment)       | Max. 100 m                 |
| Transfer rate                | max. 100 Mbit/s            |
| Connection technology (data) | 4 × RJ45                   |
| Status display communication | Link activity              |

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### Safety

|                                      |        |
|--------------------------------------|--------|
| Reverse voltage protection           | Yes    |
| Isolating voltage Ethernet/supply/FE | 1000 V |

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### General

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Rated voltage $U_N$            | AC/DC 24 V (SELV, PELV)                                        |
| Rated frequency $f_N$          | 50/60 Hz with AC supply                                        |
| External protection            | 3 A                                                            |
| Operation voltage range        | AC 19.2–28.8 V / DC 18–31.2 V                                  |
| Connection technology (supply) | 3-pin terminal clamp, push-in, RM 5.08 or via LCOS-FT Powerbus |

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|                               |                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------|
| Power consumption             | 1,3 W                                                                                       |
| Degree of protection          | IP20 (EN 60529)                                                                             |
| Max. altitude operation       | 2000 m                                                                                      |
| Relative humidity (operation) | 5 % – 95 % (non-condensing)                                                                 |
| Relative humidity (storage)   | 0 % – 95 % (non-condensing)                                                                 |
| Housing material              | PA 6.6 (UL 94 V-0, NFF I2, F2)                                                              |
| Mounting                      | Can be connected to LCOS function carrier 22.5 mm (accessories), hat rail mounting EN 60715 |
| Installation position         | Vertical                                                                                    |
| MTBF                          | >3000000 h: EN/IEC 61709 (SN 29500) @ 45 °C / 8760 h per year                               |
| Dimensions (w × h × d)        | 22.5 mm × 110.0 mm × 102.0 mm                                                               |
| Weight/unit                   | 0.11 kg                                                                                     |
| PU (units)                    | 1                                                                                           |

### General ambient conditions

|                             |                                   |
|-----------------------------|-----------------------------------|
| Operation temperature range | -25 °C ... +70 °C                 |
| Storage temperature range   | -40 °C ... +85 °C                 |
| Over voltage category       | II                                |
| Degree of pollution         | 2                                 |
| Relative air humidity       | 10 % – 95 %, without condensation |
| Vibration resistance        | 4 g acc. to EN 60068-2-6          |
| Shock resistance            | 5 g acc. EN 60068-2-27            |

### Certifications/Standards

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Conformity     | EU Declaration of Conformity<br>UKCA marking                               |
| Certifications | cULus (E170585)                                                            |
| Standards      | EN 61131-2<br>EN 61000-6-2<br>EN 61000-6-4<br>UL 61010-1<br>UL 61010-2-201 |

### Equipment/Spare parts

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accessories</b> | <b>Function carrier 22.5 mm, cannot be expanded with modules:</b> Part.-No. 780201.225.1   LCOS-FT-PE-225-00-00-1   PU: 1 unit<br><b>Function carrier 22.5 mm, can be expanded with modules:</b> Part.-No. 780402.225.1   LCOS-FT-PE-225-0P-02-1   PU: 1 unit<br><b>Function carrier 57.5 mm, with power supply DC 24 V, no FBS, plug-and-play:</b> Part.-No. 780700.575.1   LCOS-FTE-PE-575-NC-00-1   PU: 1 unit<br><b>Side cover plate for function carrier:</b> Part.-No. 780600.000.4   LCOS-ZB-AD-00-1   PU: 100 units<br><b>Power bridge 1-pin insulated:</b> Part.-No. 780961.001.2   LCOS-ZB-PB-01-00   PU: 10 units |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Notes and Comments

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Included in the delivery | Plug-in terminal block, RM 5.08, 3-pin, 2.5 mm <sup>2</sup> |
|--------------------------|-------------------------------------------------------------|

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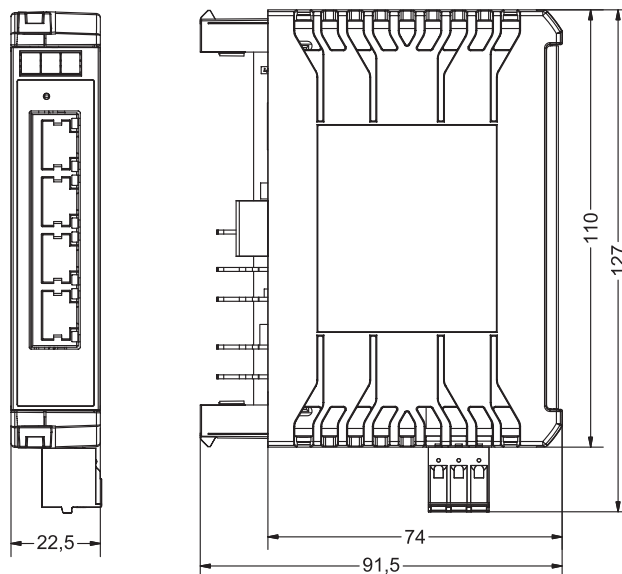
Not included in the delivery

Other accessories, see „accessories“

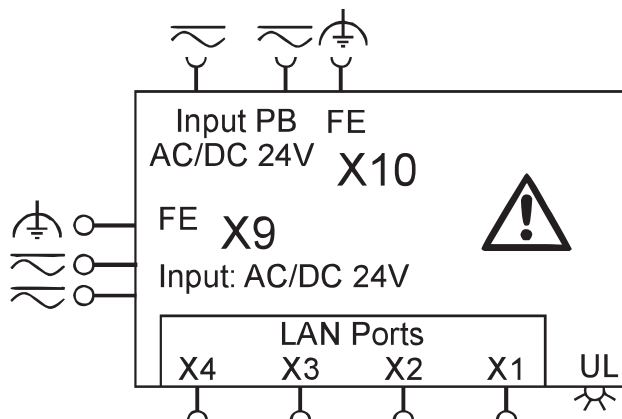
Note

For AC supply, there must be external over-voltage protection that limits the voltage between the supply and the FE to below 1000 V.

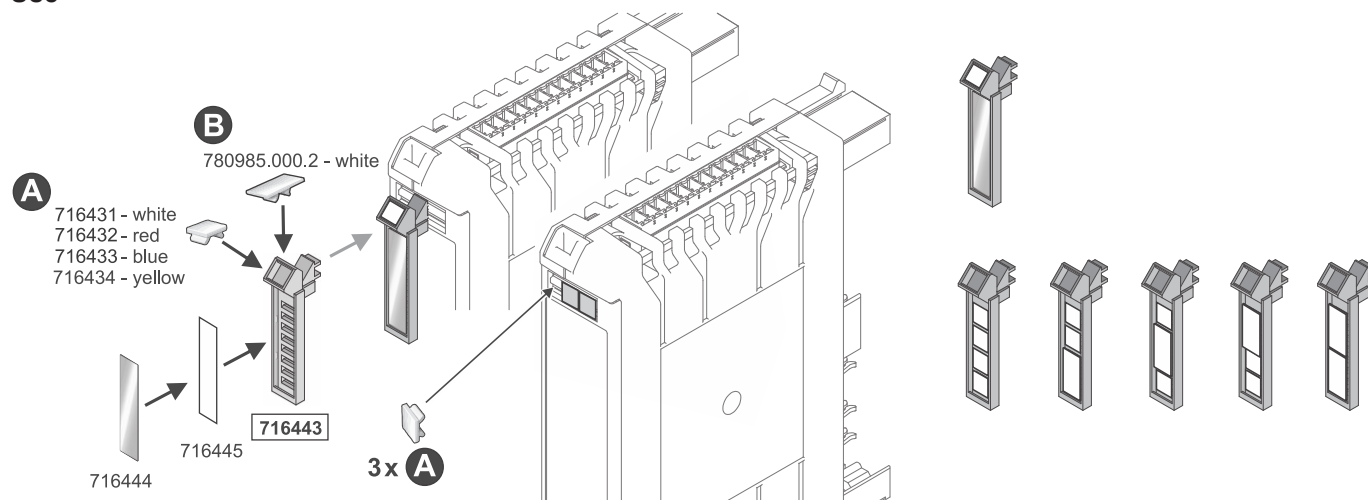
## Dimensions



## PIN assignment



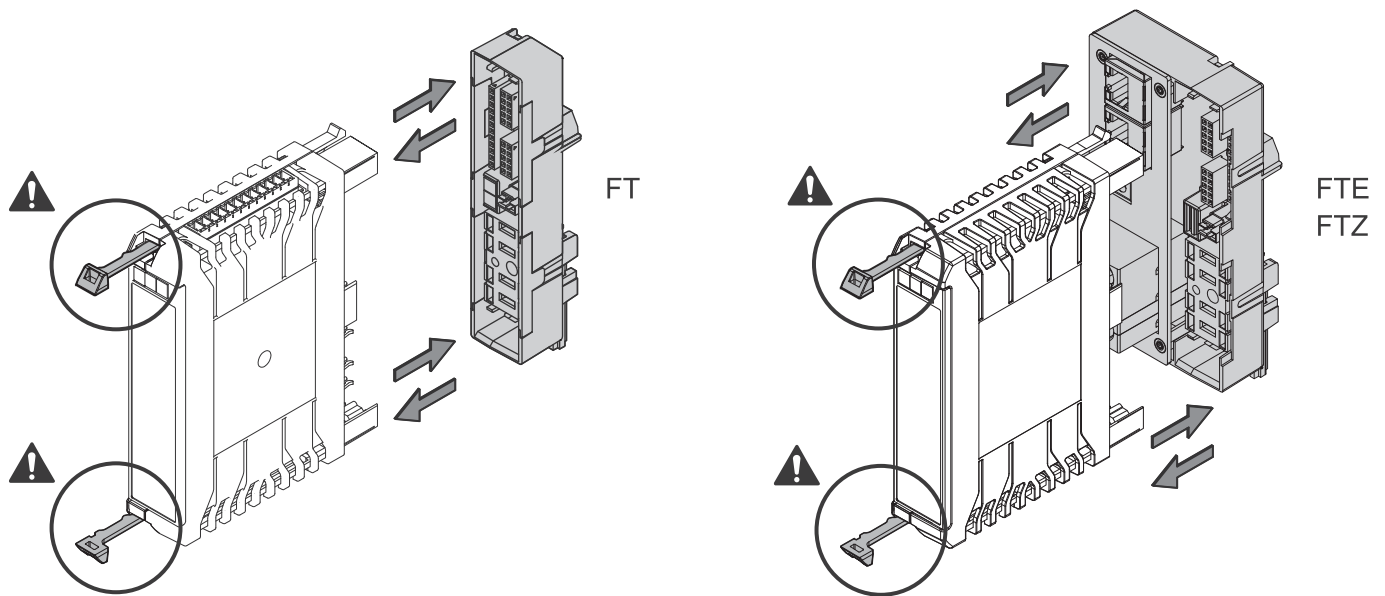
## Use



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### Use



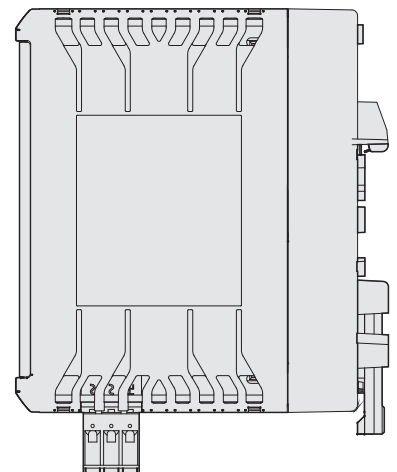
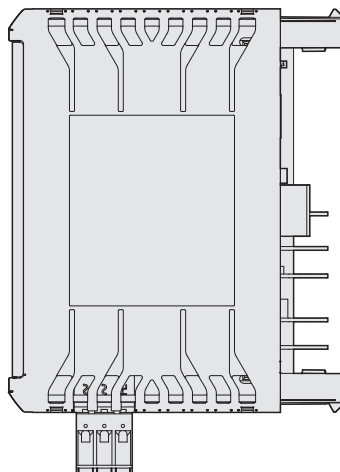
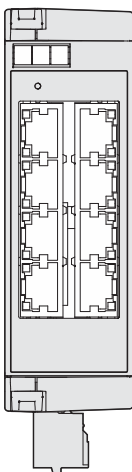
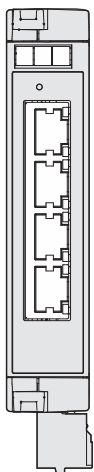
### Use

LCOS-SW-4P

LCOS-SW-8P

779200.0401  
779200.0801

779201.0401  
779201.0801



Use

DE

Standalone

Beispiel

EN

Standalone

Example

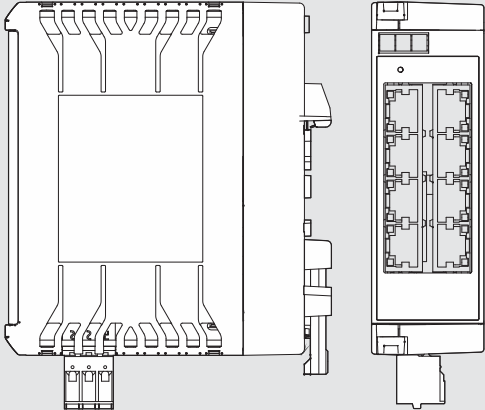
FR

Autonome

Exemple

779201.0401 (LCOS-SW-4P, Standalone)  
779201.0801 (LCOS-SW-8P, Standalone)

LCOS-SW-8P  
8-port



DE

System mit Powerbus

Beispiel

EN

System with Powerbus

Example

FR

Système avec Powerbus

Exemple

LCOS-SW-4P  
4-port

780402.350.1  
780402.350.2

780402.225.1  
780402.225.2

DC Powerbus

779200.0401 (LCOS-SW-4P, LCOS system)  
779200.0801 (LCOS-SW-8P, LCOS system)

780600.000.4

