

Technical data sheet

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

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



Identification

Type	LCOS-SW-4P
Part No.	779201.0401

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

Safety

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

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	DIN 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	CE UKCA
Certifications	cULus (E170585)
Standards	EN 61131-2 EN 61000-6-2 EN 61000-6-4 UL 61010-1 UL 61010-2-201

Equipment/Spare parts

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

Included in the delivery	Function carrier 22.5 mm, cannot be expanded with modules Plug-in terminal block, RM 5.08, 3-pin, 2.5 mm ²
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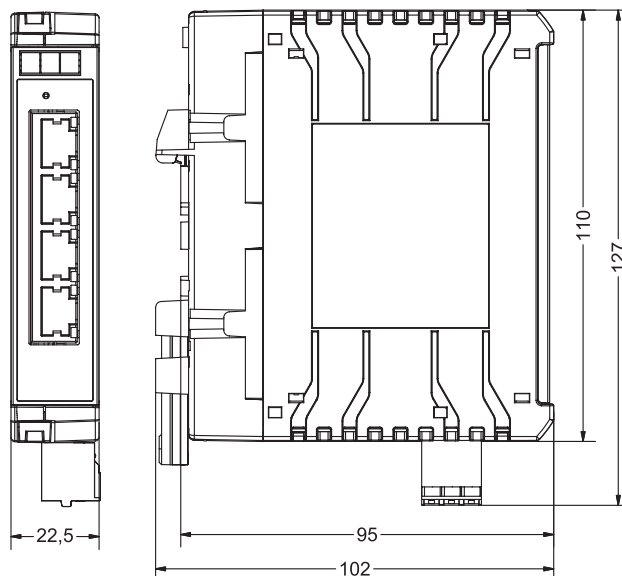
Not included in the delivery

Other accessories, see „accessories“

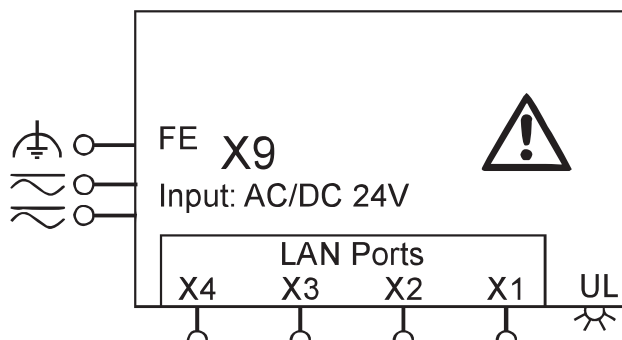
Note

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

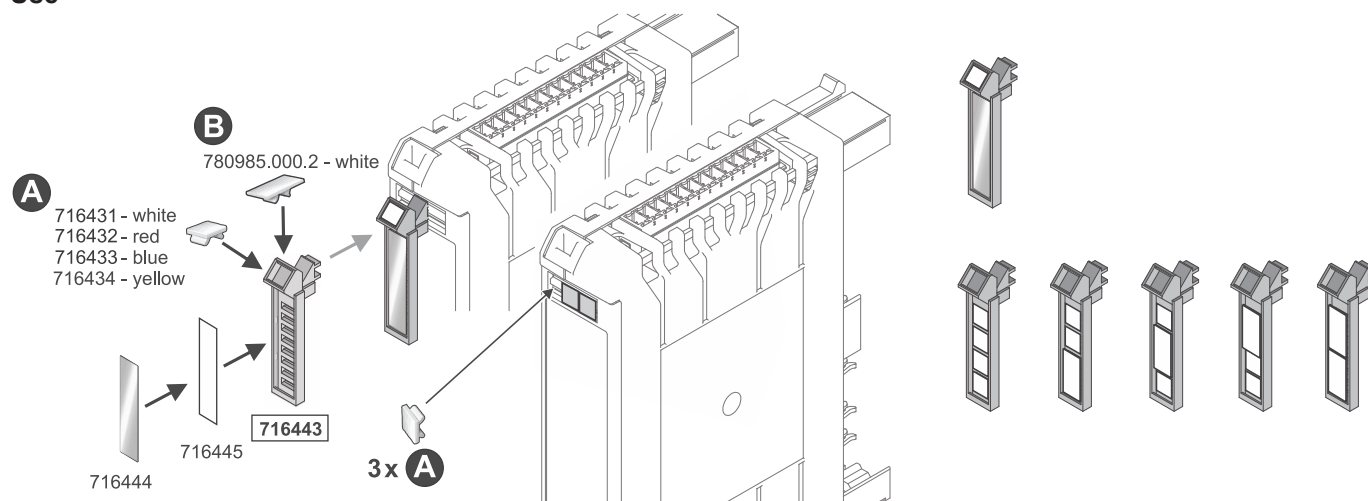
Dimensions



PIN assignment



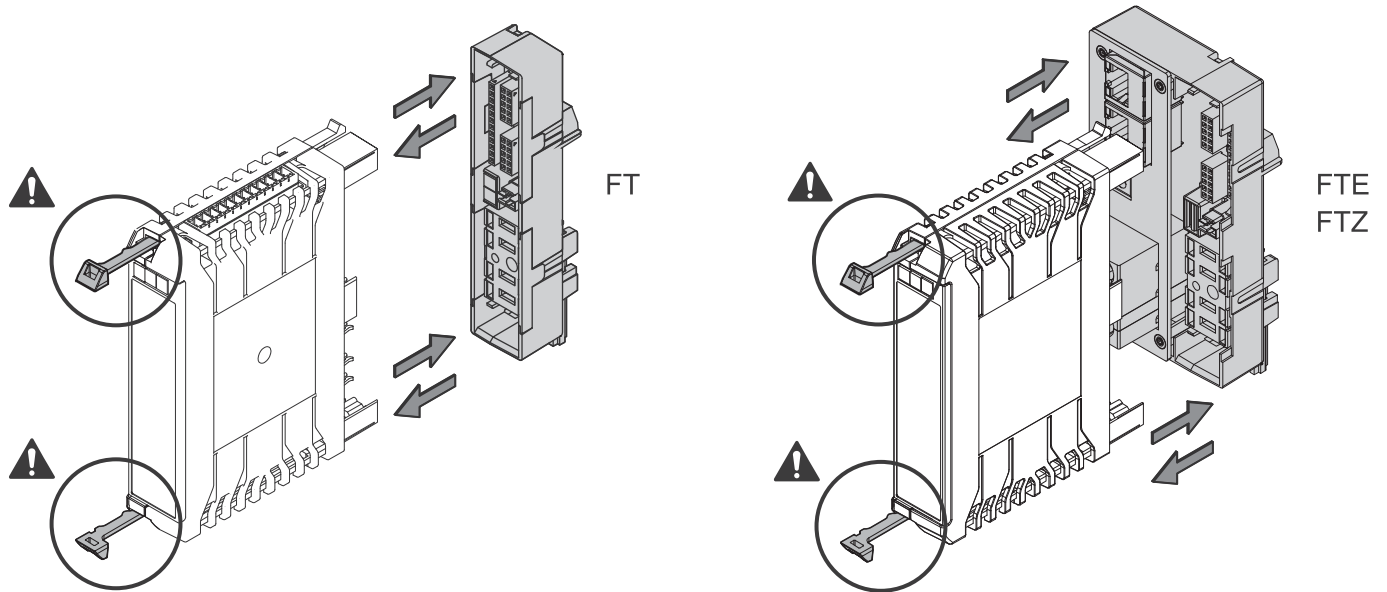
Use



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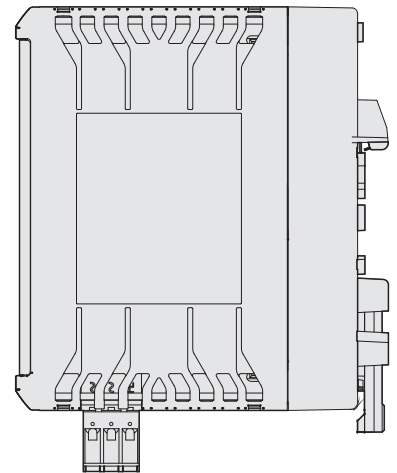
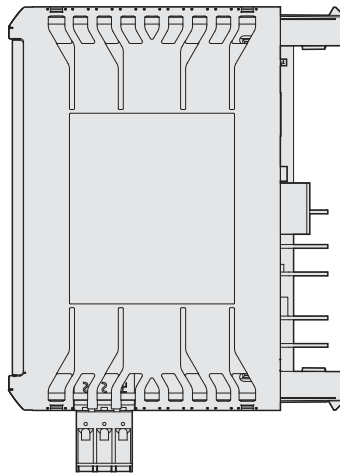
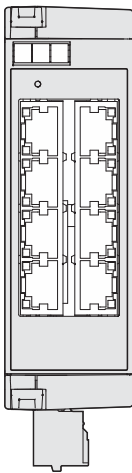
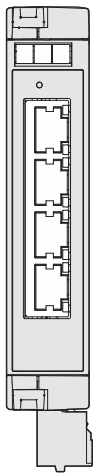
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LCOS-SW-4P

LCOS-SW-8P

779200.0401
779200.0801

779201.0401
779201.0801



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Use

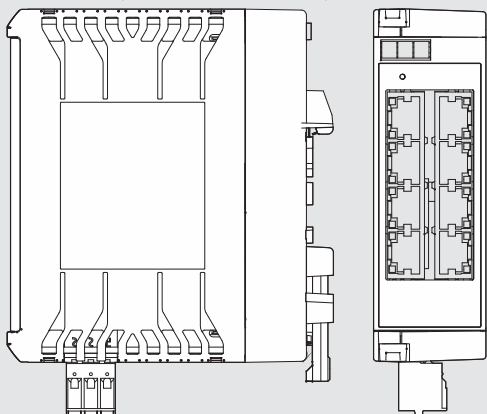
DE Standalone Beispiel

EN Standalone Example

FR Autonome Exemple

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

LCOS-SW-8P
8-port

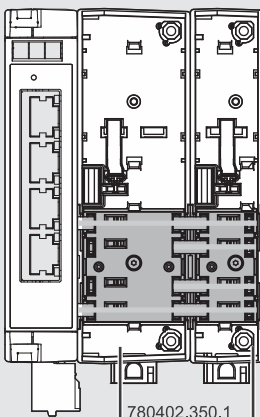


DE System mit Powerbus Beispiel

EN System with Powerbus Example

FR Système avec Powerbus Exemple

LCOS-SW-4P
4-port

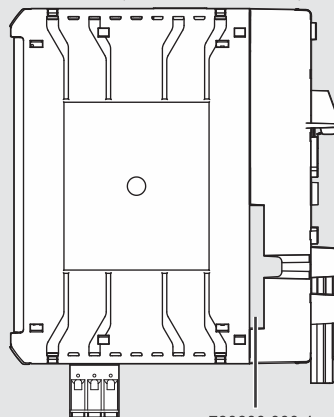


780402.350.1
780402.350.2

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