

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



1026932

<https://www.phoenixcontact.com/pc/products/1026932>

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PoE+ Ethernet switch conforms to IEEE 802.3at. Includes four 10/100/1000 Mbps PoE+ ports, one standard 10/100/1000 Mbps RJ45 port, one 1000 Mbps SFP port, a total PoE system budget of 120 W, and jumbo frames up to 10240 bytes.

## Your advantages

- POE status LED per port
- Redundant power supply
- Wide -40° ... +75°C temperature range
- Autocrossing
- Auto negotiation
- Wide-range power supply of 18 ... 57 V DC
- Automatic detection of IEEE 802.3at or 802.3af powered devices

## Commercial Data

Item number	1026932
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DNN115
Catalog Page	Page 303 (C-6-2019)
GTIN	4055626520346
Weight per Piece (including packing)	657.9 g
Weight per Piece (excluding packing)	492 g
Customs tariff number	85176200
Country of origin	TW

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## Technical Data

### Dimensions

Width	30 mm
Height	149 mm
Depth	107.8 mm

### Notes

Notes on operation	Mode A PoE
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

### Mounting

Mounting type	DIN rail mounting
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### Interfaces

#### Ethernet

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
No. of channels	1 (RJ45 ports)

#### Fiber optic interface

Connection method	SFP ports
Transmission speed	1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
No. of channels	1 (SFP ports)

#### Ethernet (PoE)

Connection method	RJ45 jack
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet RJ45
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, POE
No. of channels	4 (RJ45 ports)

### Product properties

Type	Stand-alone
Product type	Switch

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MTTF	66.6 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
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## Switch functions

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
Signal contact control voltage	48 V DC
Signal contact control current	0.5 A
Status and diagnostic indicators	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
Additional functions	Autonegotiation

## Security functions

Basic functions	Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact
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## Electrical properties

Local diagnostics	US1, US2 Supply voltage Green LED
	PoE PoE detection Orange LED
	LNK/ACT Link status/data transmission Green LED
	Alarm Power failure at US1 or US2/Link failure

## Supply

Supply voltage	24 V DC
	48 V DC
Supply voltage range	18 V DC ... 57 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm <sup>2</sup>
Inrush current	33.8 A (24 V DC for 3540 μs)
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Max. current consumption	6.93 A (Maximum, nominal load)
Typical current consumption	214 mA (at U <sub>S</sub> = 24 V DC)

## Function

Signal contact control voltage	48 V DC
Signal contact control current	0.5 A

## Connection data

### Connection technology

Connection name	Power supply
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### Power supply

Connection method	COMBICON plug-in screw terminal block
Conductor cross section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Stripping length	7 mm

## Ambient conditions

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Degree of protection	IP30
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)
Air pressure (storage/transport)	57 kPa ... 108 kPa (up to 4850 m above mean sea level)

## Approval data

### Conformity/Approvals

Conformance	CE-compliant
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## EMC data

Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-4-4 (burst) Criterion A
	IEC 61000-4-5 (surge) Criterion B
	IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-4-8 (immunity to magnetic fields) Criterion A
EN 55032 (emitted interference) Criterion A	
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC

## LED signaling

Status display	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port
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## Approvals



**EAC**

Approval ID: RU\*-DE.\*.B.00741/19



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705

**cULus Listed**

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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## Classifications

### ECLASS

ECLASS-9.0	19170106
ECLASS-10.0.1	19170402
ECLASS-11.0	19170402

### ETIM

ETIM 8.0	EC000734
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### UNSPSC

UNSPSC 21.0	43222600
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# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### PCB connector

PCB connector - MSTB 2,5/ 7-ST - 1754546

<https://www.phoenixcontact.com/pc/products/1754546>



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of potentials: 7, number of rows: 1, number of positions: 7, number of connections: 7, product range: MSTB 2,5/...-ST, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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### Power supply unit

Power supply unit - QUINT4-PS/1AC/48DC/5 - 2904610

<https://www.phoenixcontact.com/pc/products/2904610>



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 5 A



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<https://www.phoenixcontact.com/pc/products/1026932>

## Power supply unit

Power supply unit - QUINT4-PS/1AC/48DC/10 - 2904611

<https://www.phoenixcontact.com/pc/products/2904611>



Primary-switched QUINT POWER power supply for DIN rail mounting with free choice of output characteristic curve and SFB (Selective Fuse Breaking) technology, input: 1-phase, output: 48 V DC / 10 A

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## Power supply unit

Power supply unit - TRIO-PS-2G/1AC/48DC/5 - 2903159

<https://www.phoenixcontact.com/pc/products/2903159>



Primary-switched TRIO power supply for DIN rail mounting, input: 1-phase, output: 48 V DC / 5 A, dynamic boost, tool-free fast connection technology for solid and stranded conductors with ferrule

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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<https://www.phoenixcontact.com/pc/products/1026932>

## Power supply unit

Power supply unit - TRIO-PS-2G/1AC/48DC/10 - 2903160

<https://www.phoenixcontact.com/pc/products/2903160>



Primary-switched TRIO POWER power supply with push-in connection for DIN rail mounting, input: single phase, output: 48 V DC/10 A

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## Power supply unit

Power supply unit - UNO-PS/1AC/24DC/150W - 2904376

<https://www.phoenixcontact.com/pc/products/2904376>



Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/150 W

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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<https://www.phoenixcontact.com/pc/products/1026932>

## Power supply unit

Power supply unit - UNO-PS/1AC/24DC/240W - 2904372

<https://www.phoenixcontact.com/pc/products/2904372>



Please use the following item in new systems: 1096432.

Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC / 240 W

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## Ethernet module

Ethernet module - FL PD 1001 T GT - 2891042

<https://www.phoenixcontact.com/pc/products/2891042>



Factoryline Power over Ethernet splitter (PD) for separating power and data according to IEEE 802.3af and at, no configuration required, can be used with 10, 100, 1000 Mbps networks, 24 V DC output voltage

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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<https://www.phoenixcontact.com/pc/products/1026932>

## Surge protection device

Surge protection device - DT-LAN-CAT.6+ - 2881007

<https://www.phoenixcontact.com/pc/products/2881007>



Surge protection in accordance with Class E<sub>A</sub> (CAT6<sub>A</sub>), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE++ / 4PPoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

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## Port Guard Security Element

Port Guard Security Element - FL SEC PAC 4TX - 2832865

<https://www.phoenixcontact.com/pc/products/2832865>



Layer1 security elements for four RJ45 network connections for use with patch boxes and panels

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<https://www.phoenixcontact.com/pc/products/1026932>

## DIN rail adapter

DIN rail adapter - FL DIN RA - 2891053

<https://www.phoenixcontact.com/pc/products/2891053>

The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.



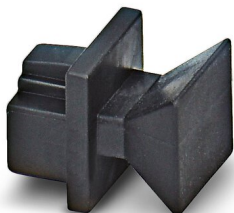
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## Dust protection

Dust protection - FL RJ45 PROTECT CAP - 2832991

<https://www.phoenixcontact.com/pc/products/2832991>

Dust protection caps for RJ45 socket



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## End clamp

End clamp - E/NS 35 N - 0800886

<https://www.phoenixcontact.com/pc/products/0800886>

End clamp, width: 9.5 mm, color: gray



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## Media module

Media module - FL SFP SX - 2891754

<https://www.phoenixcontact.com/pc/products/2891754>

Gigabit SFP module for transmission up to 1 km with a wavelength of 850 nm.



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<https://www.phoenixcontact.com/pc/products/1026932>

## Media module

Media module - FL SFP SX2 - 2702397

<https://www.phoenixcontact.com/pc/products/2702397>



Gigabit SFP module for transmission up to 2 km with a wavelength of 1310 nm.

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## Media module

Media module - FL SFP LX10-B - 1025401

<https://www.phoenixcontact.com/pc/products/1025401>



Gigabit SFP module for transmission up to 10 km with a wavelength of 1310 nm.

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<https://www.phoenixcontact.com/pc/products/1026932>

## Media module

Media module - FL SFP LX - 2891767

<https://www.phoenixcontact.com/pc/products/2891767>



Gigabit SFP module for transmission up to 30 km with a wavelength of 1310 nm.

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## Media module

Media module - FL SFP LH - 2989912

<https://www.phoenixcontact.com/pc/products/2989912>



Gigabit SFP module for transmission up to 80 km with a wavelength of 1,550 nm.



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## Media module

Media module - FL SFP WDM10-SET - 2702442

<https://www.phoenixcontact.com/pc/products/2702442>



Gigabit SFP WDM set for transmission up to a maximum of 10 km on a single fiber with a wavelength of 1310/1550 nm.

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## Media module

Media module - FL SFP GT - 2989420

<https://www.phoenixcontact.com/pc/products/2989420>



Gigabit SFP module for transmission up to 100 m.

# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP

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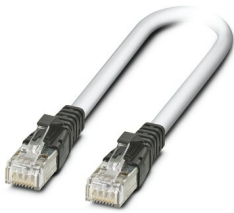
<https://www.phoenixcontact.com/pc/products/1026932>

## Patch cable

Patch cable - FL CAT5 PATCH 0,5 - 2832263

<https://www.phoenixcontact.com/pc/products/2832263>

Patch cable, CAT5, assembled, 0.5 m



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## Patch cable

Patch cable - FL CAT5 PATCH 1,0 - 2832276

<https://www.phoenixcontact.com/pc/products/2832276>

Patch cable, CAT5, assembled, 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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<https://www.phoenixcontact.com/pc/products/1026932>

## Patch cable

Patch cable - FL CAT5 PATCH 2,0 - 2832289

<https://www.phoenixcontact.com/pc/products/2832289>

Patch cable, CAT5, assembled, 2 m



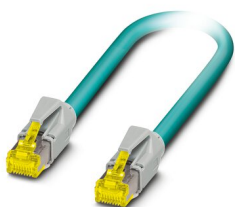
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## Patch cable

Patch cable - NBC-R4AC-R4AC-IE8A/.../... - 1411854

<https://www.phoenixcontact.com/pc/products/1411854>

Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, cable outlet: straight, Ethernet



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



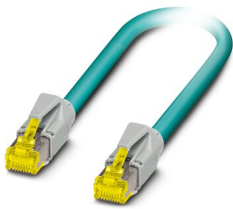
1026932

<https://www.phoenixcontact.com/pc/products/1026932>

## Patch cable

Patch cable - NBC-R4AC/10G-R4AC/10G-94F/2,0 - 1408360

<https://www.phoenixcontact.com/pc/products/1408360>



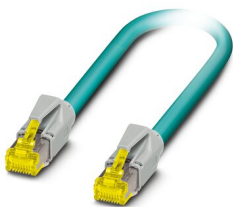
Patch cable, CAT6<sub>A</sub>, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

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## Patch cable

Patch cable - NBC-R4AC/10G-R4AC/10G-94F/3,0 - 1408365

<https://www.phoenixcontact.com/pc/products/1408365>



Patch cable, CAT6<sub>A</sub>, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

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<https://www.phoenixcontact.com/pc/products/1026932>

## Patch cable

Patch cable - NBC-R4AC/1,0-93B/R4AC - 1408968

<https://www.phoenixcontact.com/pc/products/1408968>



Patch cable, degree of protection: IP20, cable length: 1 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET

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## Patch cable

Patch cable - NBC-R4AC/2,0-93B/R4AC - 1408969

<https://www.phoenixcontact.com/pc/products/1408969>



Patch cable, degree of protection: IP20, cable length: 2 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET

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<https://www.phoenixcontact.com/pc/products/1026932>

## Patch cable

Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970

<https://www.phoenixcontact.com/pc/products/1408970>



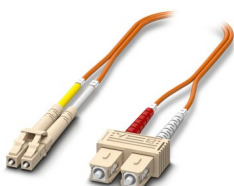
Patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET

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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OM2:D01/1 - 1115607

<https://www.phoenixcontact.com/pc/products/1115607>



Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 1 m

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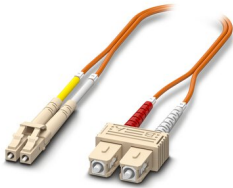
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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OM2:D01/2 - 1115605

<https://www.phoenixcontact.com/pc/products/1115605>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 2 m



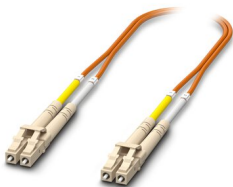
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## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OM2:D01/1 - 1115633

<https://www.phoenixcontact.com/pc/products/1115633>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP

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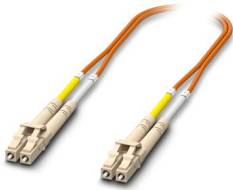
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## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OM2:D01/2 - 1115634

<https://www.phoenixcontact.com/pc/products/1115634>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 2 m



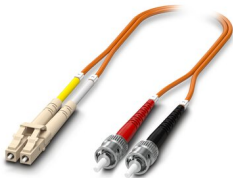
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## Fiber optic cable

Fiber optic cable - FOC-LC:PA-ST:PA-OM2:D01/1 - 1115588

<https://www.phoenixcontact.com/pc/products/1115588>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 1 m





# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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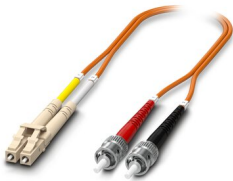
<https://www.phoenixcontact.com/pc/products/1026932>

## Fiber optic cable

Fiber optic cable - FOC-LC:PA-ST:PA-OM2:D01/2 - 1115587

<https://www.phoenixcontact.com/pc/products/1115587>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 2 m



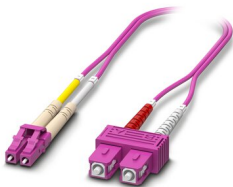
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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OM4:D01/1 - 1115601

<https://www.phoenixcontact.com/pc/products/1115601>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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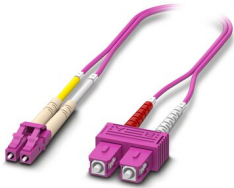
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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OM4:D01/2 - 1115600

<https://www.phoenixcontact.com/pc/products/1115600>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 2 m



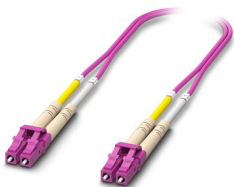
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## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OM4:D01/1 - 1115625

<https://www.phoenixcontact.com/pc/products/1115625>

Multi-mode OM4 duplex jumper, LC-LC, UPC polishing, length 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



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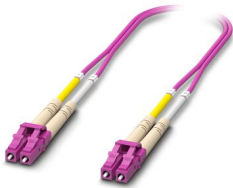
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## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OM4:D01/2 - 1115624

<https://www.phoenixcontact.com/pc/products/1115624>

Multi-mode OM4 duplex jumper, LC-LC, UPC polishing, length 2 m



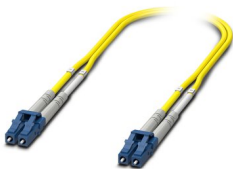
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## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OS2:D01/1 - 1115636

<https://www.phoenixcontact.com/pc/products/1115636>

Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 1 m



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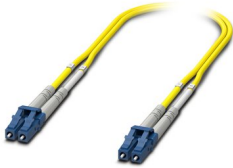
<https://www.phoenixcontact.com/pc/products/1026932>

## FO patch cable

FO patch cable - FOC-LC:PA-LC:PA-OS2:D01/2 - 1115629

<https://www.phoenixcontact.com/pc/products/1115629>

Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 2 m



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## FO patch cable

FO patch cable - FOC-LC:PA-ST:PA-OS2:D01/1 - 1115596

<https://www.phoenixcontact.com/pc/products/1115596>

Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



1026932

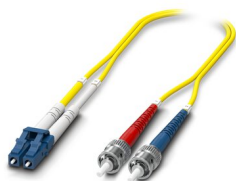
<https://www.phoenixcontact.com/pc/products/1026932>

## FO patch cable

FO patch cable - FOC-LC:PA-ST:PA-OS2:D01/2 - 1115595

<https://www.phoenixcontact.com/pc/products/1115595>

Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 2 m



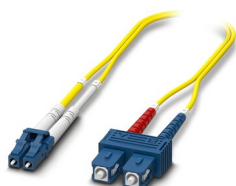
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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/1 - 1115618

<https://www.phoenixcontact.com/pc/products/1115618>

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 1 m



# Industrial Ethernet Switch - FL SWITCH 1001T-4POE-GT-SFP



1026932

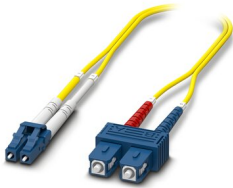
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## FO patch cable

FO patch cable - FOC-LC:PA-SC:PA-OS2:D01/2 - 1115617

<https://www.phoenixcontact.com/pc/products/1115617>

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 2 m



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