

1343023

<https://www.phoenixcontact.com/in/products/1343023>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Narrow Ethernet switch, wide temperature range, four RJ45 ports, one SFP port, with 10/100/1000 Mbps on all ports, automatic data transmission speed detection, autocrossing function, and QoS

Your advantages

- Auto negotiation and autocrossing detection simplifies installation and setup
- Local diagnostic indicators with LEDs
- RJ45 ports support a transmission speed of 10/100/1000 Mbps
- QoS-prioritized (Quality of Service) messages
- PROFINET Conformance Class A for real-time data exchange
- Energy-efficient Ethernet in accord. with IEEE 802.3az
- PROFINET PTCP filter for reliable communication on PROFINET networks
- Enhanced traffic prioritization for automation protocols
- Jumbo frame support (frame size up to 9216 bytes/frame)

Commercial data

Item number	1343023
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN
Product key	DNN116
GTIN	4063151653927
Weight per piece (including packing)	309.2 g
Weight per piece (excluding packing)	223 g
Customs tariff number	85176200
Country of origin	TW

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

Technical data

Dimensions

Width	22.5 mm
Height	123 mm
Depth	90 mm

Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

Utilization restriction

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

Material specifications

Housing material	Polycarbonate fiber reinforced
	Aluminum / steel sheet DC01

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

Interfaces

Ethernet (RJ45)

Number of interfaces	4
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	Data receive, link status
No. of channels	4 (RJ45 ports)

Ethernet (SFP)

Number of interfaces	1
Connection method	SFP
Transmission speed	100/1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 40 km (Depending on the fiber/SFP module used)
Signal LEDs	Data receive, link status
No. of channels	1 (SFP port)

Product properties

Product type	Switch
--------------	--------

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

Product family	Unmanaged Switch 1000
MTTF	87.5 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
	1071.9 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	839.8 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))
Special properties	Extended temperature range

Switch functions

Basic functions	Unmanaged switch
	Autonegotiation
	Store and Forward switching mode
MAC address table	4k
Status and diagnostic indicators	LEDs: U _S , link and activity per port
Additional functions	100 BASE-TX/100BASE-FX (IEEE 802.3u)
	Jumbo frames (Max. 9,216 bytes)
	Quality of Service (QoS) prioritization (IEEE 802.1p)
	Energy-efficient Ethernet (IEEE 802.3az)
	Gigabit Ethernet 1000BASE-T (IEEE 802.3ab)
	10Base-T (IEEE 802.3)

Security functions

Basic functions	Unmanaged switch
	Autonegotiation
	Store and Forward switching mode

Electrical properties

Maximum power dissipation for nominal condition	3.825 W (at 24 V DC)
Transmission medium	Copper

Supply

Supply voltage (DC)	24 V
Supply voltage (AC)	24 V AC (50/60 Hz)
Supply voltage range	9 V DC ... 32 V DC
	18 V AC ... 30 V AC (50/60 Hz)
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	425 mA (at 9 V DC)
Typical current consumption	47 mA (at 24 V DC)

Connection data

Connection technology

Connection name	Power supply
pluggable	yes

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

Power supply

Connection method	Push-in spring connection
Conductor cross section, rigid	0.2 mm² ... 2.5 mm²
Conductor cross section, flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 2.5 mm²
Stripping length	10 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	2000 m (maximum)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock (operation)	30g (EN 60068-2-27)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	79 kPa ... 108 kPa up to 2000 m above mean sea level (Without derating)

Approvals

Conformity/Approvals

UL, USA / Canada	UL 61010-1, UL 61010-2-201, UL 62368-1 Class I, Div. 2, Groups A, B, C, D, T4 Class I, Zone 2, Group IIC, T4
FCC	Title 47 Part 15 Subpart B:2018 Class A

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conformance with EMC directives	EN 61000-6-2 EN 61000-4-2 (ESD) Criterion B
	EN 61000-6-2 EN 61000-4-3 (electromagnetic fields) Criterion A
	EN 61000-6-2 EN 61000-4-4 (EFT burst) Criterion A
	EN 61000-6-2 EN 61000-4-5 (surge) Criterion B
	EN 61000-6-2 EN 61000-4-6 (line noise immunity) Criterion A
	EN 61000-6-2 EN 61000-4-8 (electromagnetic fields) Criterion A
	EN 61000-6-2 Class A
Noise immunity	EN 61000-6-2:2005
Noise emission	EN 61000-6-4:2007 + A1:2011

System properties

Functionality

Basic functions	Unmanaged switch
	Autonegotiation
	Store and Forward switching mode

Signaling

Status display	LEDs: U _S , link and activity per port
----------------	---

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1343023>



UL Listed

Approval ID: E238705



cUL Listed

Approval ID: E238705



KC

Approval ID: R-R-PCK-1343023



DNV GL

Approval ID: TAA000034U



IECEx

Approval ID: IECEx UL 21.0120X



cUL Listed

Approval ID: E196811



UL Listed

Approval ID: E196811



ATEX

Approval ID: UL 21 ATEX 2638X

cULus Listed

cULus Listed

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

Classifications

ECLASS

ECLASS-11.0	19170402
ECLASS-12.0	19170402
ECLASS-13.0	19170402

ETIM

ETIM 9.0	EC000734
----------	----------

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	15(a), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

1343023

<https://www.phoenixcontact.com/in/products/1343023>

Accessories

MVSTBW 2,5/ 3-ST-5,08 GY - PCB connector

1783685

<https://www.phoenixcontact.com/in/products/1783685>

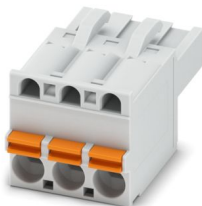


PCB connector, nominal cross section: 2.5 mm², color: gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MVSTBW 2,5/...-ST, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: -90 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting method: without, type of packaging: packed in cardboard

FKCT 2,5/ 3-ST KMGY - PCB connector

1998263

<https://www.phoenixcontact.com/in/products/1998263>



PCB connector, nominal cross section: 2.5 mm², color: light gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: FKCT 2,5/...-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting method: without, type of packaging: packed in cardboard

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL DIN-RAIL ADAPTER 22.5 - Mounting panel

1085485

<https://www.phoenixcontact.com/in/products/1085485>



The FL DIN-RAIL ADAPTER 22.5 is designed to allow products 22.5 mm wide to be mounted flush to a standard 35 mm DIN rail, in any orientation.

FL PANEL ADAPTER 22.5 - Mounting panel

1085488

<https://www.phoenixcontact.com/in/products/1085488>



The FL PANEL ADAPTER 22.5 is designed to allow products 22.5 mm wide to be mounted flush to a panel, in any orientation.

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

2881007

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



Surge protection in accordance with Class E_A (CAT6_A), 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.

FL SEC PAC 4TX - Port Guard Security Element

2832865

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



Layer1 security elements for 4 RJ45 network connections for use with patch boxes and panels

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

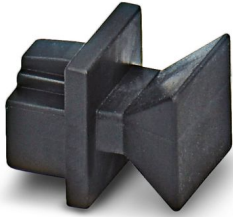
<https://www.phoenixcontact.com/in/products/1343023>

FL RJ45 PROTECT CAP - Dust protection

2832991

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

Dust protection caps for RJ45 socket

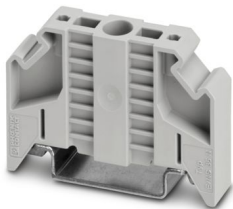


E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL SFP FX - Media module

2891081

<https://www.phoenixcontact.com/in/products/2891081>



The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

FL SFP FX SM - Media module

2891082

<https://www.phoenixcontact.com/in/products/2891082>



The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL SFP SX - Media module

2891754

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



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

FL SFP SX2 - Media module

2702397

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



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

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL SFP LX10-B - Media module

1025401

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



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

FL SFP LX - Media module

2891767

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



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

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL SFP LH - Media module

2989912

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



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

FL SFP WDM10-SET - Media module

2702442

<https://www.phoenixcontact.com/in/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.

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL SFP FE WDM20-SET - Media module

2702439

<https://www.phoenixcontact.com/in/products/2702439>

Fast Ethernet SFP WDM set for transmission up to a maximum of 20 km on a single fiber with a wavelength of 1310/1550 nm.



FL SFP GT - Media module

2989420

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

Gigabit SFP module for transmission up to 100 m.



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL CAT5 PATCH 0,5 - Patch cable

2832263

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

Patch cable, CAT5, assembled, 0.5 m



FL CAT5 PATCH 1,0 - Patch cable

2832276

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

Patch cable, CAT5, assembled, 1 m



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

FL CAT5 PATCH 2,0 - Patch cable

2832289

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

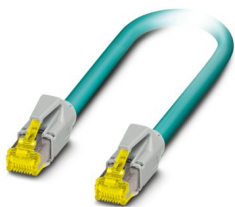


Patch cable, CAT5, assembled, 2 m

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

1411854

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



Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, cable outlet: straight, Ethernet

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



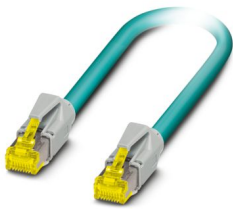
1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

1408360

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

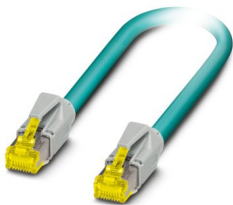


Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

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

1408365

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



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

1408968

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



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

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

1408969

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



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

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

1408970

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

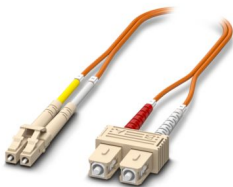


Patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET

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

1115607

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



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

FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

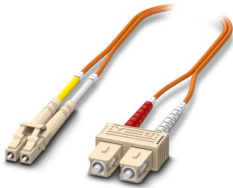
<https://www.phoenixcontact.com/in/products/1343023>

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

1115605

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

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

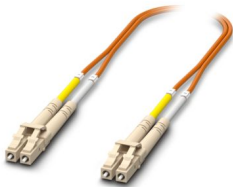


FOC-LC:PA-LC:PA-OM2:D01/1 - FO patch cable

1115633

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

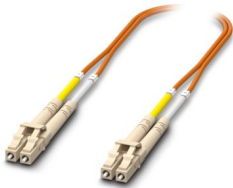
<https://www.phoenixcontact.com/in/products/1343023>

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

1115634

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

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

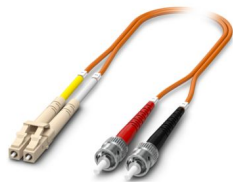


FOC-LC:PA-ST:PA-OM2:D01/1 - Fiber optic cable

1115588

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

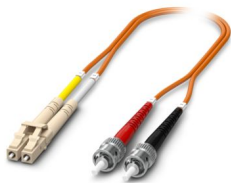
<https://www.phoenixcontact.com/in/products/1343023>

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

1115587

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

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

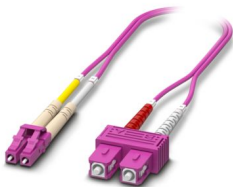


FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

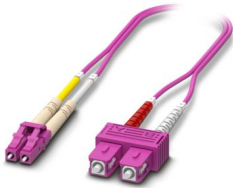
<https://www.phoenixcontact.com/in/products/1343023>

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

1115600

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

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

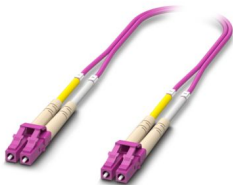


FOC-LC:PA-LC:PA-OM4:D01/1 - FO patch cable

1115625

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

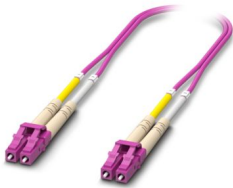
<https://www.phoenixcontact.com/in/products/1343023>

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

1115624

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

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



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

1115636

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

1115629

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

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



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

1115596

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

<https://www.phoenixcontact.com/in/products/1343023>

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

1115595

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

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

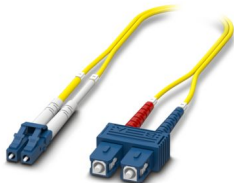


FOC-LC:PA-SC:PA-OS2:D01/1 - FO patch cable

1115618

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

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



FL SWITCH 1104NT-SFP - Industrial Ethernet Switch



1343023

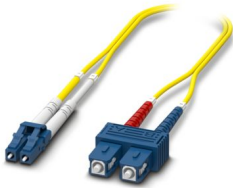
<https://www.phoenixcontact.com/in/products/1343023>

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

1115617

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

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



Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in