

FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030  
<https://www.phoenixcontact.com/us/products/1044030>

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Managed Switch 2000, 14 RJ45 ports 10/100 Mbps, 2 SFP ports 100 Mbps, PROFINET Conformance-Class B, Extended temperature range, PROFINET mode preset, PROFINET status LEDs

Your advantages

- MRP (client and manager)
- VLANs
- DHCP client, DHCP server (pool-based and port-based), DHCP option 82
- RSTP
- Ambient temperature -40 °C ... 70 °C
- Web-based management, SNMP
- Configuration memory
- Easy and fast startup and commissioning with the FL NETWORK MANAGER software
- PROFINET mode preset

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1044030             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | DN17                |
| Product key                          | DNN121              |
| Catalog page                         | Page 312 (C-6-2019) |
| GTIN                                 | 4055626611792       |
| Weight per piece (including packing) | 640 g               |
| Weight per piece (excluding packing) | 470 g               |
| Customs tariff number                | 85176200            |
| Country of origin                    | DE                  |

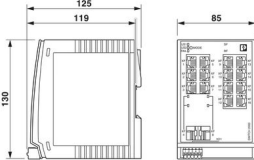
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Technical data

Dimensions

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Dimensional drawing |                                                                                    |
|                     |  |
| Width               | 85 mm                                                                              |
| Height              | 130 mm                                                                             |
| Depth               | 119 mm                                                                             |

Notes

|         |                                              |
|---------|----------------------------------------------|
| General | Support by phone or on-site (fee is charged) |
|---------|----------------------------------------------|

Material specifications

|                  |                                |
|------------------|--------------------------------|
| Housing material | Polycarbonate fiber reinforced |
|------------------|--------------------------------|

Mounting

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

Interfaces

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Ethernet (RJ45)               |                                                      |
| Connection method             | RJ45                                                 |
| Note on the connection method | Auto negotiation and autocrossing                    |
| Transmission speed            | 10/100 Mbps                                          |
| Transmission physics          | Copper                                               |
| Transmission length           | 100 m (per segment)                                  |
| Signal LEDs                   | Data receive, link status                            |
| No. of channels               | 14 (RJ45 ports)                                      |
| Ethernet (SFP)                |                                                      |
| Number of interfaces          | 2                                                    |
| Connection method             | SFP                                                  |
| Transmission speed            | 100 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               | 2 (SFP ports)                                        |

Output data

|         |
|---------|
| Digital |
|---------|

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|             |              |
|-------------|--------------|
| Output name | Alarm output |
|-------------|--------------|

## Product properties

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Type               | Book type                                                                   |
| Product type       | Switch                                                                      |
| Product family     | Managed Switch 2000                                                         |
| MTTF               | 365.63 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)     |
|                    | 218.22 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)  |
|                    | 31.7 Years (SN 29500 standard, temperature 55°C, operating cycle 100%)      |
| Special properties | Extended temperature range                                                  |
|                    | PROFINET mode preset, PROFINET status LEDs                                  |
| Signal delay       | ≥ 6.5 µs (Store and Forward mode, 10/100 Mbps, depending on the frame size) |

## Insulation characteristics

|                     |                |
|---------------------|----------------|
| Protection class    | III (VDE 0106) |
| Degree of pollution | 2              |

## Switch functions

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Diagnostic functions           | RMON History                                       |
|                                | LLDP (Link Layer Discovery Protocol)               |
|                                | SNMP-Traps                                         |
|                                | N:1-Portmirroring                                  |
|                                | ACD (Address Conflict Detection)                   |
|                                | SysLog                                             |
|                                | CRC-Surveillance                                   |
| Basic functions                | Store-and-forward switch, complies with IEEE 802.3 |
| Signal contact control voltage | typ. 24 V DC                                       |
| PROFINET conformance class     | Conformance-Class B                                |
| PROFINET device function       | PROFINET device                                    |
|                                | Fast Startup                                       |
| Filter functions               | Quality of Service (8 priority classes)            |
|                                | Class of Service                                   |
|                                | DiffServ/DSCP                                      |
|                                | Port-Priorisierung                                 |
|                                | VLAN (up to 32 VLANs)                              |
|                                | IGMP Snooping/Querier (v1/v2)                      |
|                                | Auto-Query-Port                                    |
| IP parameterization            | Extended Multicast Filtering                       |
|                                | DHCP-Client                                        |
|                                | DHCP Option 82 (Relay Agent)                       |
|                                | DHCP server (pool-based, port-based)               |
|                                | BootP                                              |

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|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                                  | DCP (Discovery and Configuration Protocol)                                                                                             |
| MAC address table                | 8k                                                                                                                                     |
| Management                       | Web-based management (HTTP/HTTPS)                                                                                                      |
|                                  | Role-based user management (LDAP, RADIUS)                                                                                              |
|                                  | SNMPv1/v2/v3                                                                                                                           |
|                                  | Command Line Interface (Telnet, SSH)                                                                                                   |
| Redundancy                       | MRP (Media Redundancy Protocol)                                                                                                        |
|                                  | RSTP (Rapid Spanning Tree Protocol)                                                                                                    |
|                                  | FRD (Fast Ring Detection)                                                                                                              |
|                                  | Large Tree Support                                                                                                                     |
|                                  | LACP (Link Aggregation Control Protocol)                                                                                               |
|                                  | PROFINET S2 system redundancy                                                                                                          |
| Status and diagnostic indicators | LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (link/activity and speed), PROFINET status LEDs (BF, SF) |
| Additional functions             | Transmission of MMS and GOOSE (IEC 61850-8-1)                                                                                          |
|                                  | Transmission of Modbus/TCP                                                                                                             |
| Time synchronization             | SNTP (Simple Network Time Protocol)                                                                                                    |
| Security functions               |                                                                                                                                        |
| Port security                    | MAC-based, RADIUS (IEEE 802.1X), MAC Authentication Bypass                                                                             |
| Basic functions                  | Store-and-forward switch, complies with IEEE 802.3                                                                                     |

## Electrical properties

|                                                 |                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------|
| Local diagnostics                               | US1/2 Supply voltage US1, US2 Green LED                                             |
|                                                 | FAIL Div. LED red                                                                   |
|                                                 | LINK Link status Green LED                                                          |
|                                                 | BF Bus errors LED red                                                               |
|                                                 | SF Group error LED red                                                              |
| Maximum power dissipation for nominal condition | 10.8 W ( $U_S = \text{Min}$ , $T_{\text{amb}} = \text{Max}$ , $DO_1 = \text{Max}$ ) |
| Test voltage                                    | 500 V DC                                                                            |
| Test section                                    | for one minute 500 V DC                                                             |
| Transmission medium                             | Copper                                                                              |
|                                                 | FO                                                                                  |

## Supply

|                             |                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------|
| Supply voltage (DC)         | 24 V DC (redundant)                                                                |
| Supply voltage range        | 12 V DC ... 57 V DC                                                                |
| Power supply connection     | via COMBICON, max. conductor cross section 1.5 mm <sup>2</sup>                     |
| Residual ripple             | 3.6 V <sub>pp</sub> (within the permitted voltage range)                           |
| Max. current consumption    | 1.6 A ( $U_S = \text{Min}$ , $T_{\text{amb}} = \text{Max}$ , $DO_1 = \text{Max}$ ) |
| Typical current consumption | 325 mA (at $U_S = 24 \text{ V DC}$ and 25 °C ambient temperature)                  |
| Current consumption         | 325 mA                                                                             |

## Function

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|                                |              |
|--------------------------------|--------------|
| Signal contact control voltage | typ. 24 V DC |
|--------------------------------|--------------|

## Connection data

|                                   |                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------|
| Connection method                 | Push-in spring connection                                                                       |
| Note on the connection method     | Use only copper connecting cables providing the permitted temperature range (-40 °C ... 75 °C). |
| Conductor cross section, rigid    | 0.25 mm² ... 1.5 mm²                                                                            |
| Conductor cross section, flexible | 0.25 mm² ... 1.5 mm²                                                                            |
| Conductor cross section AWG       | 24 ... 16                                                                                       |
| Stripping length                  | 9 mm                                                                                            |

## Environmental and real-life conditions

### Ambient conditions

|                                          |                                                                         |
|------------------------------------------|-------------------------------------------------------------------------|
| Degree of protection                     | IP20                                                                    |
| Ambient temperature (operation)          | -40 °C ... 70 °C                                                        |
| Ambient temperature (storage/transport)  | -40 °C ... 85 °C                                                        |
| Permissible humidity (operation)         | 10 % ... 95 % (non-condensing)                                          |
| Permissible humidity (storage/transport) | 10 % ... 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)                 | 80 kPa ... 110 kPa up to 2000 m above mean sea level (Without derating) |
| Air pressure (storage/transport)         | 79 kPa ... 108 kPa up to 2000 m above mean sea level (Without derating) |

## Standards and regulations

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| Free from substances that could impair the application of coating | Yes |
|-------------------------------------------------------------------|-----|

## Approvals

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Shipbuilding approval | Tested in accordance with IEC 60945 and IACS E10 |
|-----------------------|--------------------------------------------------|

### ATEX

|                |                           |
|----------------|---------------------------|
| Identification | Ex II 3 G Ex ec IIC T4 Gc |
| Certificate    | DEMKO 16 ATEX 1709X       |

### IECEx

|                |                     |
|----------------|---------------------|
| Identification | Ex ec IIC T4 Gc     |
| Certificate    | IECEx ULD 16.0018 X |

### UL, USA/Canada

|                |       |
|----------------|-------|
| Identification | cULus |
|----------------|-------|

### UL Ex, USA / Canada

|                |                                                |
|----------------|------------------------------------------------|
| Identification | Class I, Division 2, Groups A, B, C, and D, T4 |
|                | Class I, Zone 2, AEx ec IIC T4                 |
|                | Ex ec IIC T4 Gc X                              |
| Certificate    | E366272                                        |

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|      |                                                                                               |
|------|-----------------------------------------------------------------------------------------------|
| Note | UL 60079-0 Ed. 6 / UL 60079-7 Ed. 5, CSA 22.2 No. 60079-0 Ed. 3 / CSA C22.2 No. 60079-7 Ed. 2 |
|------|-----------------------------------------------------------------------------------------------|

## EAC Ex

|                |                         |
|----------------|-------------------------|
| Identification | 2Ex e IIC T4 Gc X       |
| Certificate    | RU C-DE.HB49.B.00118/21 |

The following continue to apply for EAC Ex:

|                |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification | <p>При монтаже использовать подходящий допущенный корпус со степенью защиты не ниже IP66.</p> <p>На корпусе/шкафу управления должна быть размещена предупреждающая надпись, запрещающая открывать корпус или шкаф во взрывоопасной зоне.</p> <p>Эксплуатация устройства допускается только при условии, что все оптические порты заняты подключенными устройствами или закрыты прилагаемыми заглушками.</p> |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## CCC / China-Ex

|                |                  |
|----------------|------------------|
| Identification | Ex ec IIC T4 Gc  |
| Certificate    | 2022122310115629 |

## Corrosive gas test

|                |                                  |
|----------------|----------------------------------|
| Identification | ISA S71.04.2013 G3 Harsh Group A |
|----------------|----------------------------------|

## UKCA Ex (UKEX)

|                |                          |
|----------------|--------------------------|
| Identification | ⚡ II 3 G Ex ec IIC T4 Gc |
| Certificate    | PxCIMA22UKEX2702910X     |

## DNV GL data

|             |                                                                                         |
|-------------|-----------------------------------------------------------------------------------------|
| Temperature | B                                                                                       |
| Humidity    | B                                                                                       |
| Vibration   | A                                                                                       |
| EMC         | B                                                                                       |
| Enclosure   | Required protection according to the Rules shall be provided upon installation on board |

## EMC data

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conformance with EMC directives | <p>EN 61000-6-2 EN 61000-4-2 (ESD) Criterion B</p> <p>EN 61000-6-2 EN 61000-4-3 (electromagnetic fields) Criterion A</p> <p>EN 61000-6-2 EN 61000-4-4 (EFT burst) Criterion A</p> <p>EN 61000-6-2 EN 61000-4-5 (surge) Criterion B</p> <p>EN 61000-6-2 EN 61000-4-6 (line noise immunity) Criterion A</p> <p>EN 61000-6-2 EN 61000-6-3 (noise emission) Class B</p> <p>EN 61000-6-2 EN 61000-6-3 (conducted emissions) Class B</p> |
| Noise immunity                  | EN 61000-6-2                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Electromagnetic compatibility   | Conformance with EMC Directive 2014/30/EU                                                                                                                                                                                                                                                                                                                                                                                          |
| Noise emission                  | EN 61000-6-3                                                                                                                                                                                                                                                                                                                                                                                                                       |

## System properties

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Functionality

|                 |                                                    |
|-----------------|----------------------------------------------------|
| Basic functions | Store-and-forward switch, complies with IEEE 802.3 |
|-----------------|----------------------------------------------------|

Signaling

|                |                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Status display | LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (link/activity and speed), PROFINET status LEDs (BF, SF) |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------|

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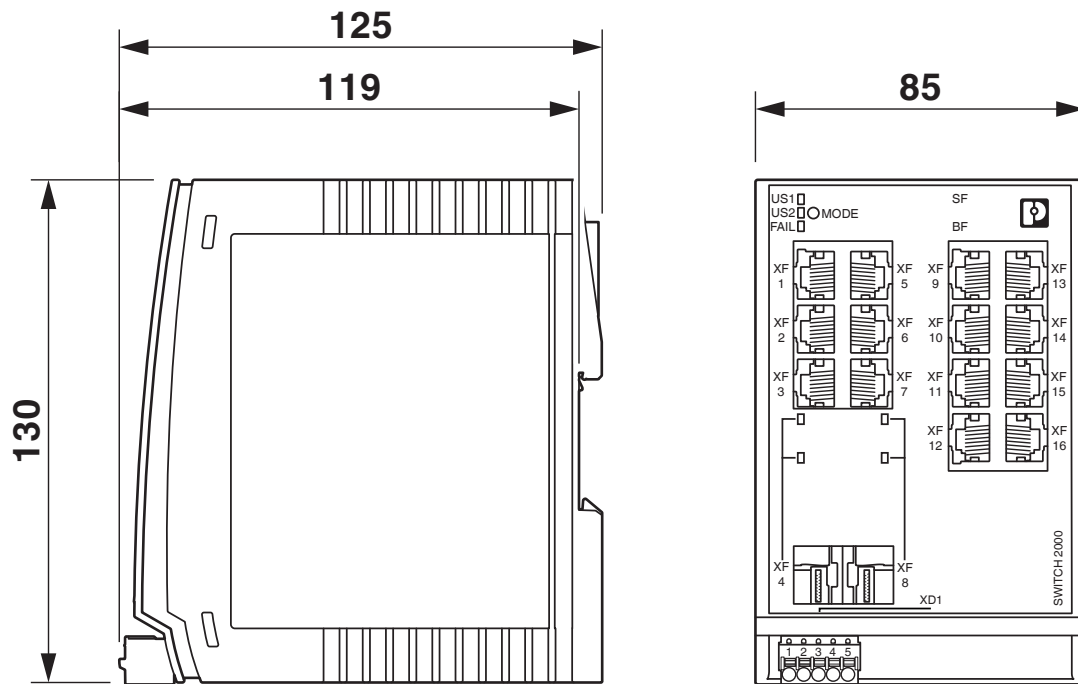


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1044030>



**EAC**

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



**DNV GL**

Approval ID: TAA00000YV



**LR**

Approval ID: LR22250919TA



**NK**

Approval ID: TA19464M



**BV**

Approval ID: 48146/A1 BV

**BSH**

Approval ID: 1045



**RINA**

Approval ID: ELE162721XG

**ABS**

Approval ID: 21-2066186-PDA

**PROFINET**

Approval ID: Z12631

**UAE-RoHS**

Approval ID: 23-02-63229



**cULus Listed**

Approval ID: E238705

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**IECEx**

Approval ID: IECEx ULD 16.0018X



**cUL Listed**

Approval ID: FILE E 366272



**ATEX**

Approval ID: DEMKO 16 ATEX 1709X



**CCC**

Approval ID: 2022122310115629

# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 19170401 |
| ECLASS-12.0 | 19170401 |
| ECLASS-13.0 | 19170401 |

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43222600 |
|-------------|----------|

# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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## Environmental product compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                               |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                               |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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## Accessories

### SD FLASH 2GB - Program / configuration memory

2988162

<https://www.phoenixcontact.com/us/products/2988162>

Program and configuration memory,  
for extending the internal flash  
memory, pluggable, 2 GB.

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### FL NETWORK MANAGER BASIC - Network management software

2702889

<https://www.phoenixcontact.com/us/products/2702889>



SNMP-based software for easy commissioning and monitoring of network components such as switches, routers, and WLAN access points

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## FL DIN RA - DIN rail adapter

2891053

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



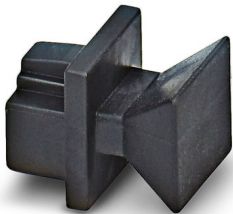
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## FL RJ45 PROTECT CAP - Dust protection

2832991

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

Dust protection caps for RJ45 socket



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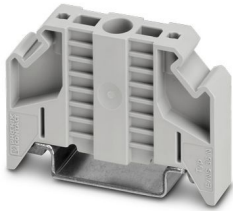
<https://www.phoenixcontact.com/us/products/1044030>

## E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



## FK-MCP 1,5/ 5-ST-3,81GY35BD1-5 - PCB connector

1015782

<https://www.phoenixcontact.com/us/products/1015782>



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: FK-MCP 1,5/...-ST, pitch: 3.81 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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## FL SFP FX - Media module

2891081

<https://www.phoenixcontact.com/us/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).

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## FL SFP FX SM - Media module

2891082

<https://www.phoenixcontact.com/us/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).

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## FL SFP FE WDM20-SET - Media module

2702439

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



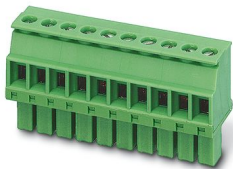
Fast Ethernet SFP WDM set for transmission up to a maximum of 20 km on a single fiber with a wavelength of 1310/1550 nm.

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## MCVW 1,5/ 5-ST-3,81GY7035BD2DO - PCB connector

1034096

<https://www.phoenixcontact.com/us/products/1034096>



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: MCVW 1,5/...-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: -90 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

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## FL CAT5 PATCH 0,5 - Patch cable

2832263

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

Patch cable, CAT5, assembled, 0.5 m



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## FL CAT5 PATCH 1,0 - Patch cable

2832276

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

Patch cable, CAT5, assembled, 1 m



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<https://www.phoenixcontact.com/us/products/1044030>

## FL CAT5 PATCH 2,0 - Patch cable

2832289

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

Patch cable, CAT5, assembled, 2 m



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

1411854

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

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

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

1408360

<https://www.phoenixcontact.com/us/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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## NBC-R4AC/10G-R4AC/10G-94F/3,0 - Patch cable

1408365

<https://www.phoenixcontact.com/us/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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## NBC-R4AC/1,0-93B/R4AC - Patch cable

1408968

<https://www.phoenixcontact.com/us/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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## NBC-R4AC/2,0-93B/R4AC - Patch cable

1408969

<https://www.phoenixcontact.com/us/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/us/products/1044030>

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

1408970

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

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

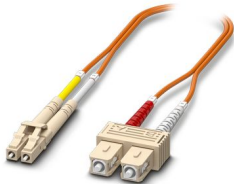
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## FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

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

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



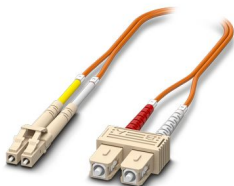
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## FOC-LC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115605

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030

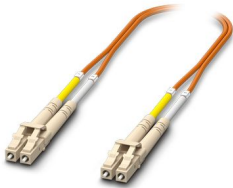
<https://www.phoenixcontact.com/us/products/1044030>

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

1115633

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

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



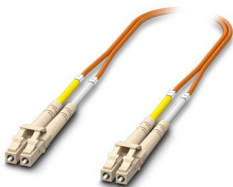
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## FOC-LC:PA-LC:PA-OM2:D01/2 - FO patch cable

1115634

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030

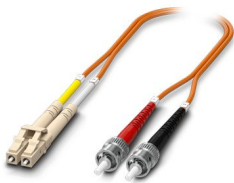
<https://www.phoenixcontact.com/us/products/1044030>

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

1115588

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

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



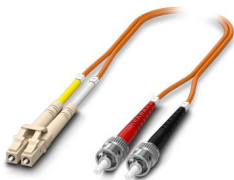
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## FOC-LC:PA-ST:PA-OM2:D01/2 - Fiber optic cable

1115587

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030

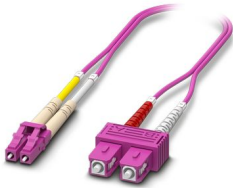
<https://www.phoenixcontact.com/us/products/1044030>

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

1115601

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

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



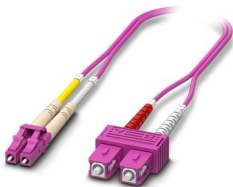
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FOC-LC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115600

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030

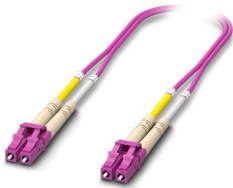
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## FOC-LC:PA-LC:PA-OM4:D01/1 - FO patch cable

1115625

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

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



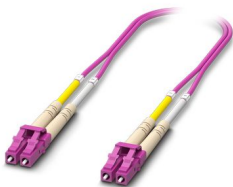
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## FOC-LC:PA-LC:PA-OM4:D01/2 - FO patch cable

1115624

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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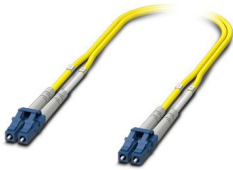
<https://www.phoenixcontact.com/us/products/1044030>

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

1115636

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

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



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

1115629

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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

1115596

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

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



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

1115595

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



1044030

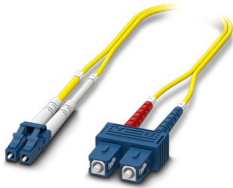
<https://www.phoenixcontact.com/us/products/1044030>

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

1115618

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

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



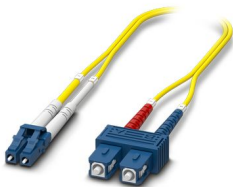
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## FOC-LC:PA-SC:PA-OS2:D01/2 - FO patch cable

1115617

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

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



# FL SWITCH 2214-2SFX PN - Industrial Ethernet Switch



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## VS-08-RJ45-5-Q/IP20 - RJ45 connector

1656725

<https://www.phoenixcontact.com/us/products/1656725>

RJ45 connector, design: RJ45,  
degree of protection: IP20, number of  
positions: 8, 1 Gbps, CAT5, material:  
Plastic, connection method: Insulation  
displacement connection, connection  
cross section: AWG 26- 23, cable  
outlet: straight, color: traffic grey A  
RAL 7042, Ethernet

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