

# FL SWITCH 2314-2SFP - Industrial Ethernet Switch



1006191

<https://www.phoenixcontact.com/us/products/1006191>

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Managed Switch 2000, 14 RJ45 ports 10/100/1000 Mbps, 2 SFP ports 100/1000 Mbps, PROFINET Conformance-Class B, Extended temperature range

## Your advantages

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

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1006191             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | DN17                |
| Product key                          | DNN121              |
| Catalog page                         | Page 313 (C-6-2019) |
| GTIN                                 | 4055626477503       |
| 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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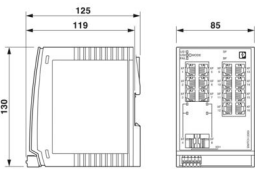


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## Technical data

### Dimensions

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

### Notes

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

### Mounting

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

### Interfaces

#### Ethernet (RJ45)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Connection method             | RJ45                              |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission speed            | 10/100/1000 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   | 100/1000 Mbps (full duplex)                          |
| Transmission physics | Depending on the SFP module                          |
| Transmission length  | up to 80 km (Depending on the fiber/SFP module used) |

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|                 |                           |
|-----------------|---------------------------|
| Signal LEDs     | Data receive, link status |
| No. of channels | 2 (SFP ports)             |

## Output data

Digital:

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

## Product properties

|                    |                                                                                  |
|--------------------|----------------------------------------------------------------------------------|
| Product type       | Switch                                                                           |
| Product family     | Managed Switch 2000                                                              |
| Type               | Book type                                                                        |
| MTTF               | 379.84 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)          |
|                    | 199.41 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)       |
|                    | 27.52 Years (SN 29500 standard, temperature 55°C, operating cycle 100%)          |
| Special properties | Extended temperature range                                                       |
| Signal delay       | ≥ 1.9 µs (Store-and-Forward mode, 10/100/1000 Mbps, depending on the frame size) |

## Data management status

|                  |    |
|------------------|----|
| Article revision | 05 |
|------------------|----|

## 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)                              |

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| IP parameterization              | IGMP Snooping/Querier (v1/v2)                                                                           |
|                                  | Auto-Query-Port                                                                                         |
|                                  | Extended Multicast Filtering                                                                            |
|                                  | DHCP-Client                                                                                             |
|                                  | DHCP Option 82 (Relay Agent)                                                                            |
|                                  | DHCP server (pool-based, port-based)                                                                    |
|                                  | BootP                                                                                                   |
| MAC address table                | DCP (Discovery and Configuration Protocol)                                                              |
| Management                       | 8k                                                                                                      |
|                                  | Web-based management (HTTP/HTTPS)                                                                       |
|                                  | Role-based user management (LDAP, RADIUS)                                                               |
|                                  | SNMPv1/v2/v3                                                                                            |
| Redundancy                       | Command Line Interface (Telnet, SSH)                                                                    |
|                                  | MRP (Media Redundancy Protocol)                                                                         |
|                                  | RSTP (Rapid Spanning Tree Protocol)                                                                     |
|                                  | FRD (Fast Ring Detection)                                                                               |
|                                  | Large Tree Support                                                                                      |
|                                  | LACP (Link Aggregation Control Protocol)                                                                |
| Status and diagnostic indicators | PROFINET S2 system redundancy                                                                           |
| Additional functions             | LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link/Activity and Speed) |
|                                  | Jumbo frames (max. 9,600 bytes)                                                                         |
|                                  | Transmission of MMS and GOOSE (IEC 61850-8-1)                                                           |
| Time synchronization             | Transmission of Modbus/TCP                                                                              |
|                                  | 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                                                          |
| Maximum power dissipation for nominal condition | 15.6 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 mm² |

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|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Residual ripple                | 3.6 V <sub>PP</sub> (within the permitted voltage range)                  |
| Max. current consumption       | 2 A (U <sub>S</sub> = Min, T <sub>amb</sub> = Max, DO <sub>I</sub> = Max) |
| Typical current consumption    | 460 mA (at U <sub>S</sub> = 24 V DC and 25 °C ambient temperature)        |
| Current consumption            | 325 mA                                                                    |
| Function                       |                                                                           |
| 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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                                    |
| Conductor cross section, flexible | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                                    |
| 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          | Ⓔ II 3 G Ex ec IIC T4 Gc |
| Certificate             | DEMKO 16 ATEX 1709X      |
| References to standards | EN 60079-0               |
|                         | EN 60079-7               |

### IECEx

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

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|                         |             |
|-------------------------|-------------|
| References to standards | IEC 60079-0 |
|                         | IEC 60079-7 |

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

## 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 | Ex 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 | EN 61000-6-2 EN 61000-4-2 (ESD) Criterion B                    |
|                                 | EN 61000-6-2 EN 61000-4-3 (electromagnetic fields) Criterion A |

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

## System properties

|                 |                                                    |
|-----------------|----------------------------------------------------|
| 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) |
|----------------|---------------------------------------------------------------------------------------------------------|

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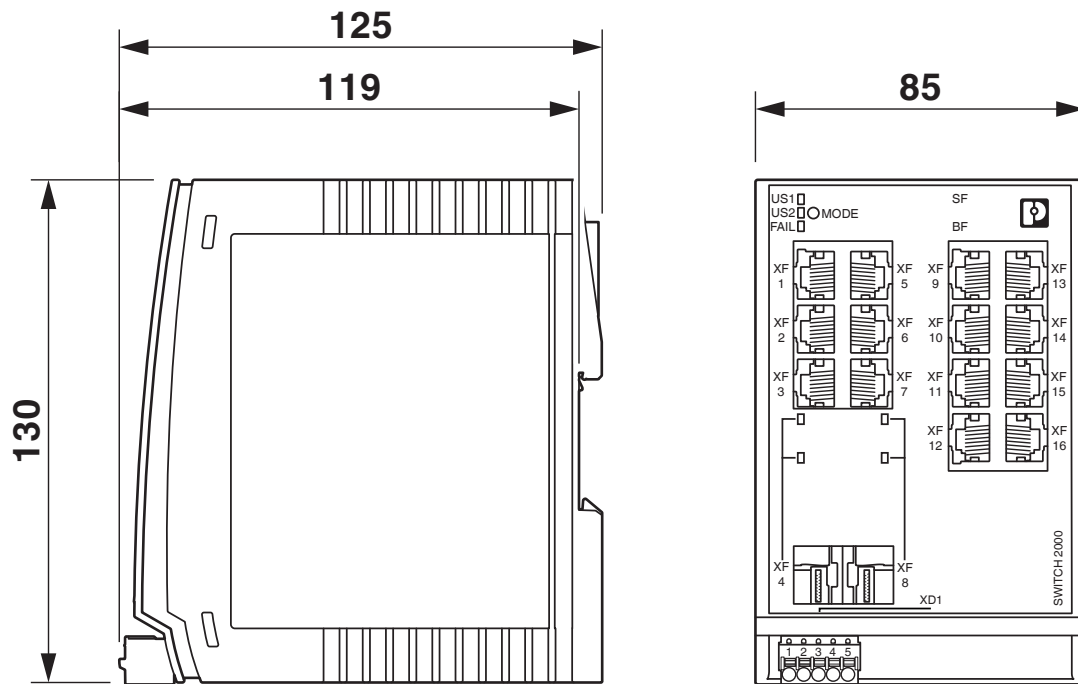


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1006191>



**EAC**

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



**DNV GL**

Approval ID: TAA00000YV



**LR**

Approval ID: LR22250919TA



**NK**

Approval ID: TA24215M



**BV**

Approval ID: 48146\_B0 BV

**BSH**

Approval ID: 1045



**RINA**

Approval ID: ELE014724XG001

**ABS**

Approval ID: 21\_2066186\_1\_PDA



**CC-Link IE Field**

Approval ID: Ref. No. 184

**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: E366272



**ATEX**

Approval ID: DEMKO 16 ATEX 1709X



**CCC**

Approval ID: 2022122310115629

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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 |
|-------------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 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)                                                                                                                                                                                                              |
| SCIP                                    | 3ce1cfd5-ee09-4440-a9ff-ff1ed6832044                                                                                                                                                                                              |

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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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<https://www.phoenixcontact.com/us/products/1006191>

## 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.



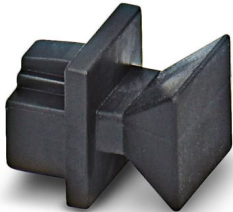
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## FL RJ45 PROTECT CAP - Dust protection

2832991

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

Dust protection caps for RJ45 socket



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<https://www.phoenixcontact.com/us/products/1006191>

## E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



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## 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 gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, 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

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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 gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, 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 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 SX - Media module

2891754

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



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

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## FL SFP SX2 - Media module

2702397

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



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

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## FL SFP LX10-B - Media module

1025401

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



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

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## FL SFP LX - Media module

2891767

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



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

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## FL SFP LX40 - Media module

1113081

<https://www.phoenixcontact.com/us/products/1113081>



Gigabit SFP module for transmission up to 40 km with a wavelength of 1310 nm

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## FL SFP LH - Media module

2989912

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



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

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## FL SFP WDM10-SET - Media module

2702442

<https://www.phoenixcontact.com/us/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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<https://www.phoenixcontact.com/us/products/1006191>

## 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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## FL SFP GT - Media module

2989420

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

Gigabit SFP module for transmission up to 100 m.



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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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## FL CAT5 PATCH 2,0 - Patch cable

2832289

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

Patch cable, CAT5, assembled, 2 m



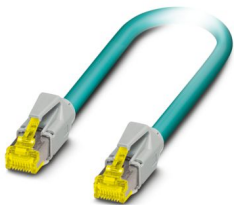
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## NBC-R4AC-R4AC-IE8A/.../... - Patch cable

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



# FL SWITCH 2314-2SFP - Industrial Ethernet Switch



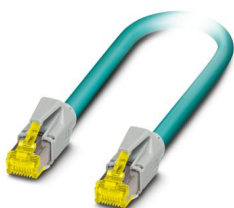
1006191

<https://www.phoenixcontact.com/us/products/1006191>

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

1408360

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



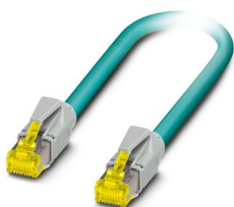
Patch cable, CAT6<sub>A</sub>, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

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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

# FL SWITCH 2314-2SFP - Industrial Ethernet Switch



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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

# FL SWITCH 2314-2SFP - Industrial Ethernet Switch



1006191

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## 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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## 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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