

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

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.



Managed Switch 2000, 6 RJ45 ports 10/100 Mbps, 2 SC single mode 100 Mbps, PROFINET Conformance-Class B, Extended temperature range

## Your advantages

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

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2702331             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | DN17                |
| Product key                          | DNN121              |
| Catalog page                         | Page 309 (C-6-2019) |
| GTIN                                 | 4055626136486       |
| Weight per piece (including packing) | 429.8 g             |
| Weight per piece (excluding packing) | 260 g               |
| Customs tariff number                | 85176200            |
| Country of origin                    | DE                  |

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch

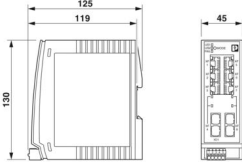


2702331

<https://www.phoenixcontact.com/us/products/2702331>

## Technical data

### Dimensions

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 45 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               | 6 (RJ45 ports)                    |

|                              |                                                |
|------------------------------|------------------------------------------------|
| Ethernet FO                  |                                                |
| Number of interfaces         | 2                                              |
| Connection method            | SC                                             |
| Transmission speed           | 100 Mbps (full duplex)                         |
| Transmit capacity, minimum   | -15 dBm                                        |
| Transmit capacity, maximum   | -7 dBm                                         |
| Minimum receiver sensitivity | -34 dBm                                        |
| Maximum receiver sensitivity | -3 dBm                                         |
| Transmission physics         | Single-mode fiberglass                         |
| Transmission length          | 36000 m (fiberglass with F-G 9/125 0.36 dB/km) |
|                              | 32000 m (fiberglass with F-G 9/125 0.4 dB/km)  |

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

|                 |                                               |
|-----------------|-----------------------------------------------|
|                 | 26000 m (fiberglass with F-G 9/125 0.5 dB/km) |
| Wavelength      | 1300 nm                                       |
| Signal LEDs     | Data receive, link status                     |
| No. of channels | 2 (SC single mode)                            |

## Output data

Digital:

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

## Product properties

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Product type       | Switch                                                                      |
| Product family     | Managed Switch 2000                                                         |
| Type               | Book type                                                                   |
| MTTF               | 343.16 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)     |
|                    | 153.37 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)  |
|                    | 18.66 Years (SN 29500 standard, temperature 70°C, operating cycle 100%)     |
| Special properties | Extended temperature range                                                  |
| 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)                      |

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| IP parameterization              | 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)                                                              |
|                                  | 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)                                                                |
| Status and diagnostic indicators | PROFINET S2 system redundancy                                                                           |
|                                  | LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link/Activity and Speed) |
| 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                                                          |
| Maximum power dissipation for nominal condition | 6.75 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     | 9 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 | 1.5 A ( $U_S = \text{Min}$ , $T_{\text{amb}} = \text{Max}$ , $DO_1 = \text{Max}$ ) |

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Typical current consumption | 235 mA (at $U_S = 24$ V DC and 25 °C ambient temperature) |
| Current consumption         | 260 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          | Ex 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 |
| References to standards | IEC 60079-0         |
|                         | IEC 60079-7         |

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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 | ⚡ 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 |
|                                 | EN 61000-6-2 EN 61000-4-4 (EFT burst) Criterion A              |
|                                 | EN 61000-6-2 EN 61000-4-5 (surge) Criterion A                  |

2702331

<https://www.phoenixcontact.com/us/products/2702331>

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
|                               | EN 61000-6-2 EN 61000-4-6 (line noise immunity) Criterion A |
|                               | EN 61000-6-2 EN 61000-6-4 (interference) Class A            |
|                               | EN 61000-6-2 EN 61000-6-4 (conducted interference) Class A  |
| 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) |
|----------------|---------------------------------------------------------------------------------------------------------|

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch

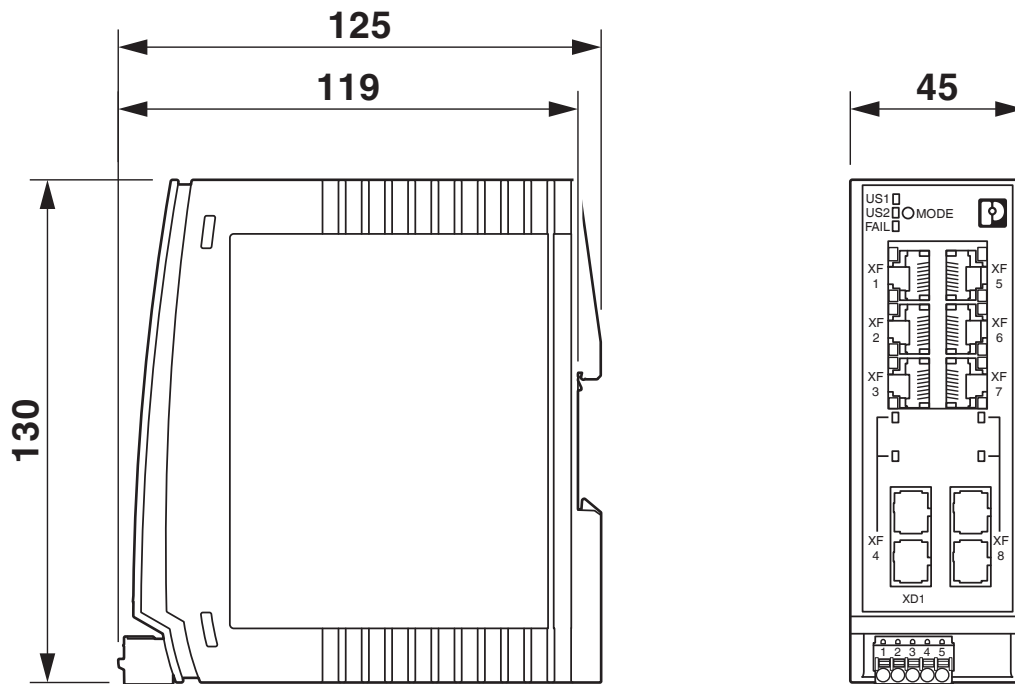


2702331

<https://www.phoenixcontact.com/us/products/2702331>

## Drawings

Dimensional drawing



# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2702331>



**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: Nr. 966



**RINA**

Approval ID: ELE014724XG001

**ABS**

Approval ID: 21\_2066186\_1\_PDA

**UAE-RoHS**

Approval ID: 23-02-63230



**cULus Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: FILE E 366272

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>



**IECEx**

Approval ID: IECEx ULD 16.0018X



**ATEX**

Approval ID: DEMKO 16 ATEX 1709X



**CCC**

Approval ID: 2022122310115629

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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                                    | dfdadd15-f5ee-4c70-a811-07d1424e2ecd                                                                                                                                                                                              |

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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.

---

### 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

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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.



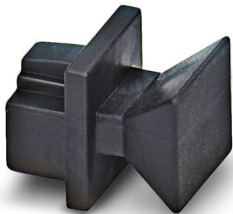
---

## FL RJ45 PROTECT CAP - Dust protection

2832991

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

Dust protection caps for RJ45 socket



# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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 2206-2FX SM - Industrial Ethernet Switch



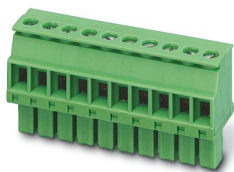
2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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

---

## FL CAT5 PATCH 0,5 - Patch cable

2832263

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



Patch cable, CAT5, assembled, 0.5 m

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## FL CAT5 PATCH 1,0 - Patch cable

2832276

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

Patch cable, CAT5, assembled, 1 m



---

## FL CAT5 PATCH 2,0 - Patch cable

2832289

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

Patch cable, CAT5, assembled, 2 m



# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



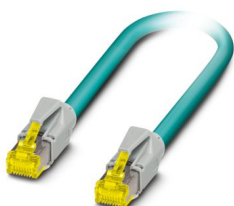
2702331

<https://www.phoenixcontact.com/us/products/2702331>

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

1411854

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



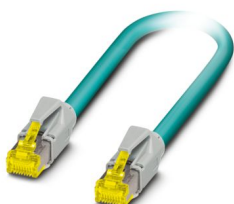
Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, cable outlet: straight, Ethernet

---

## 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

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



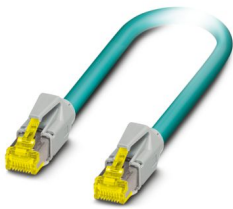
2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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

---

## 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

# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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

---

## 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

2702331

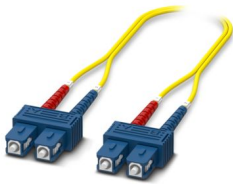
<https://www.phoenixcontact.com/us/products/2702331>

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

1115550

<https://www.phoenixcontact.com/us/products/1115550>

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



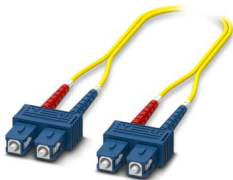
---

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

1115548

<https://www.phoenixcontact.com/us/products/1115548>

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



# FL SWITCH 2206-2FX SM - Industrial Ethernet Switch



2702331

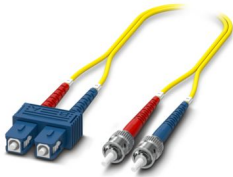
<https://www.phoenixcontact.com/us/products/2702331>

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

1115582

<https://www.phoenixcontact.com/us/products/1115582>

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



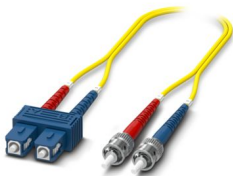
---

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

1115581

<https://www.phoenixcontact.com/us/products/1115581>

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



2702331

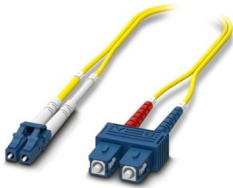
<https://www.phoenixcontact.com/us/products/2702331>

## 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



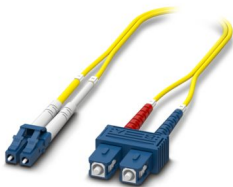
---

## 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 2206-2FX SM - Industrial Ethernet Switch



2702331

<https://www.phoenixcontact.com/us/products/2702331>

## 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

---

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)