

FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



1019709

<https://www.phoenixcontact.com/us/products/1019709>

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Splice box, design: Rail-mountable module, degree of protection: IP20, material: Metal, connection method: Splicing, cable outlet: above and below, housing size: 1, color: gray, Ethernet

Product description

FDX 20 series DIN rail splice box, assembled with 6x LC quad coupling, fully assembled and ready for splicing with pre-assembled 900 µm pigtails (OM2) and splice holder for separately available shrink and crimp splicing protection, on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland from above or below. Housing, 2-part, prepared for DIN rail mounting through the rear-side adapter. The adapter can also be mounted on the side.

Scope of supply:

DIN rail housing with integrated splice comb (mounted), assembled with 6x LC quad coupling, 24x pigtail (OM2), 2x splice holder, 1x cable gland (M20x1.5)

Your advantages

- Intuitive front-panel operation and clear control cabinet layout thanks to uniform design
- Flexible DIN rail mounting possible in six positioning directions
- Suitable for industrial applications
- Reduced installation time with plug-and-play
- Pin assignment straight in line in a link
- Continuously reliable data connection, thanks to extensively tested components
- Snap-on mounting on standard DIN rails NS 35/7.5 or NS 35/15
- Transmission rate up to 1000 Mbps

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1019709 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| Catalog page | Page 381 (C-2-2019) |
| GTIN | 4055626701059 |
| Weight per piece (including packing) | 765.1 g |
| Weight per piece (excluding packing) | 577 g |
| Customs tariff number | 85367000 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|--|
| Order information: | In addition, shrink splice protection (Item No.: 1019676) or crimp splice protection (Item No.: 1019678) must be ordered separately. |
|--------------------|--|

Product properties

| | |
|------------------------------|-------------------------|
| Product type | Network distributor box |
| Housing type | DIN rail adapter |
| Series | FDX 20 series |
| Type | Rail-mountable module |
| Sensor type | Ethernet |
| Connection profile | LC-Duplex |
| No. of cable outlets | 2 |
| No. of conductors | 24 |
| Number of module slots | 12 |
| Number of slots | 24 |
| Type of the screw connection | M20 x 1.5 |
| Protective cover | yes |
| Cable outlet | above and below |

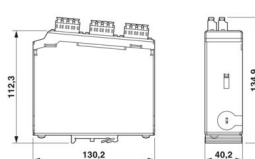
Electrical properties

| | |
|---------------------|----------|
| Attenuation | ≤ 0.3 dB |
| Transmission medium | FO |

Connection data

| | |
|-----------------------|----------|
| Connection technology | |
| Connection method | Splicing |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 40 mm |
| Height | 130 mm |
| Depth | 115 mm |

Housing

| | |
|---------------|-------|
| Housing width | 40 mm |
|---------------|-------|

Mechanical characteristics

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| | |
|------------------|---------|
| Ferrule diameter | 1.25 mm |
|------------------|---------|

Material specifications

| | |
|--|---------------------|
| Color | gray |
| Flammability rating according to UL 94 | V0 |
| Ferrule material | Zirconia ceramics |
| Housing material | Metal |
| Housing surface material | Powder-coated, gray |

Cable/line

| | |
|--------------------------------|---|
| Cable type | Multimode fiberglass |
| Cable type | 900 µm |
| Cable structure | semi-loose compact wires (STB) |
| External cable diameter | 6 mm ... 12 mm |
| External cable diameter | 6 mm ... 12 mm |
| Wire diameter incl. insulation | 900 µm |
| Individual wire diameter | 900 µm (250/900 µm) |
| Single wire, color | Assignment color-coded in accordance with IEC 60794-2 |
| Halogen-free | yes |
| Flame resistance | yes |

FO cable

| | |
|---------------------|---------------------------------|
| Number of fibers | 24 |
| Fiber | GOF |
| Fiber type | Multi-mode 50/125 µm fiberglass |
| Attenuation | ≤ 0.3 dB (at 850 nm / 1300 nm) |
| Return Loss | ≥ 35 dB (at 850 nm / 1300 nm) |
| Transmission medium | FO |

Mechanical properties

Mechanical data

| | |
|------------------------------|-----------|
| Type of the screw connection | M20 x 1.5 |
| Insertion/withdrawal cycles | ≥ 500 |

Characteristics

| | |
|-------------|----------|
| Attenuation | ≤ 0.3 dB |
|-------------|----------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|---------------------------------------|
| Degree of protection | IP20 (according to IEC 60529) IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | 0 °C ... 50 °C |

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| | |
|----------------------------|-----|
| Resistance to UV radiation | yes |
|----------------------------|-----|

Standards and regulations

| | |
|------------------|-----|
| Flame resistance | yes |
|------------------|-----|

Mounting

| | |
|-----------------------|--|
| Mounting type | DIN rail mounting |
| Assembly instructions | Option for flexible replugging of DIN rail adapter |

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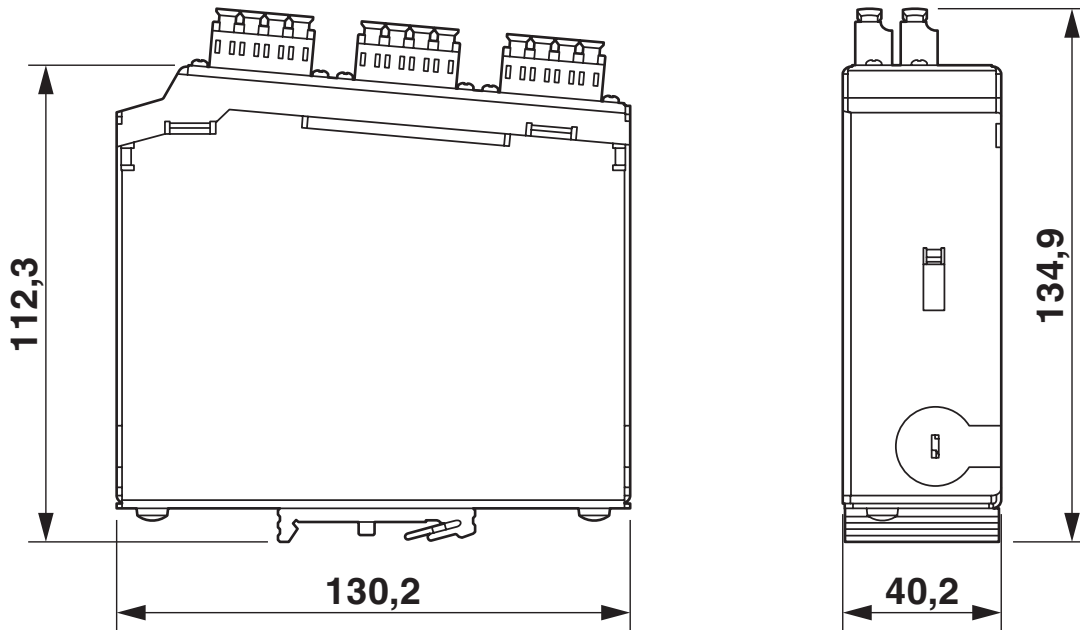


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Drawings

Dimensional drawing



DIN rail splice box 6x LC quad OM2, fully mounted ready to splice

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 19170113 |
| ECLASS-12.0 | 19170113 |
| ECLASS-13.0 | 19170113 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002699 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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Mandatory accessories

FOC-SHRINKSPLICE-PROTECT - Shrink splice protection

1019676

<https://www.phoenixcontact.com/us/products/1019676>



Shrink splice protection, design: Straight, degree of protection: IP20, cable outlet: above and below, color: transparent

FOC-CRIMPSPLICE-PROTECT - Crimp splice protection

1019678

<https://www.phoenixcontact.com/us/products/1019678>



Crimp splice protection, design: Straight, degree of protection: IP20, connection method: Crimp connection, cable outlet: above and below, color: Bare metallic

Accessories

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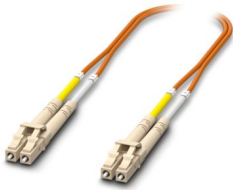
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FOC-LC:PA-LC:PA-OM2:D01/1 - FO patch cable

1115633

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

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

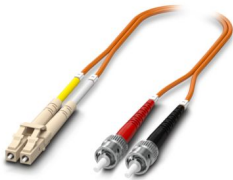


FOC-LC:PA-ST:PA-OM2:D01/1 - Fiber optic cable

1115588

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

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



FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



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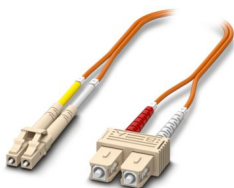
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FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

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

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

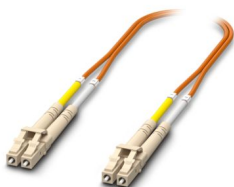


FOC-LC:PA-LC:PA-OM2:D01/2 - FO patch cable

1115634

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

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



FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



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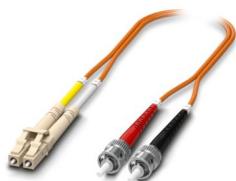
<https://www.phoenixcontact.com/us/products/1019709>

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

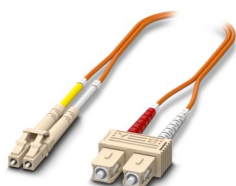


FOC-LC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115605

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

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



FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



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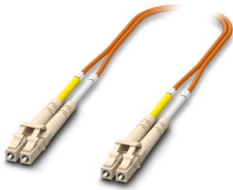
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FOC-LC:PA-LC:PA-OM2:D01/5 - FO patch cable

1115637

<https://www.phoenixcontact.com/us/products/1115637>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 5 m

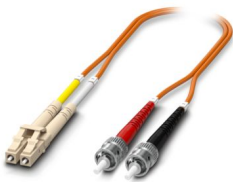


FOC-LC:PA-ST:PA-OM2:D01/5 - FO patch cable

1115584

<https://www.phoenixcontact.com/us/products/1115584>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 5 m



FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



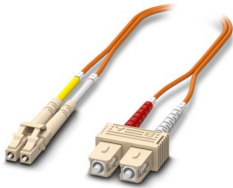
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FOC-LC:PA-SC:PA-OM2:D01/5 - FO patch cable

1115603

<https://www.phoenixcontact.com/us/products/1115603>



FO patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 2, 1 Gbps, OM2

FOC-OE-OE-GL-U-OM2-24/... - FO cable

1286215

<https://www.phoenixcontact.com/us/products/1286215>



GOF universal cable, 24-wire, loose tube cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

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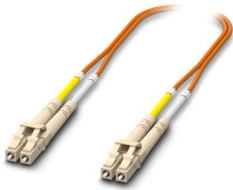
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FOC-LC:A-LC:A-GZ01/... - FO patch cable

1405688

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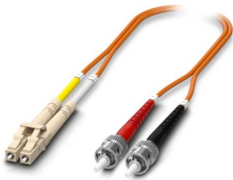


Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-ST:A-LC:A-GZ01/... - FO patch cable

1405706

<https://www.phoenixcontact.com/us/products/1405706>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: B-FOC (ST)/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

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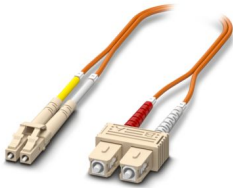
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FOC-SC:A-LC:A-GZ01/... - FO patch cable

1405691

<https://www.phoenixcontact.com/us/products/1405691>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: SC duplex/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-LC:A-SJ:A-GZ01/... - FO patch cable

1405694

<https://www.phoenixcontact.com/us/products/1405694>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: LC/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



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FOC-TOOL-FERRULECLEANER-1.25 - FO accessories

1407032

<https://www.phoenixcontact.com/us/products/1407032>

Ferrule cleaner, 1.25 mm, for LC, approx. 500 cleaning cycles



FOC-TOOL-STICKCLEANER-1.25 - FO accessories

1407000

<https://www.phoenixcontact.com/us/products/1407000>

Stick cleaner for couplings and plug end faces, 1.25 mm (LC), Pcs. / Pkt.: 10



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A-INSP-M20-68N-P-LG - Screw plug

1424519

<https://www.phoenixcontact.com/us/products/1424519>

Screw plug, material for screw connection: PA, connecting thread: M20 x 1.5, color: lightgrey RAL 7035, with O-ring



WP-CN PA M20 - Counter nut

3241134

<https://www.phoenixcontact.com/us/products/3241134>

Counter nut, for threads M20, color: gray



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SF-PH 1-80 - Screwdriver

1212559

<https://www.phoenixcontact.com/us/products/1212559>



Screwdriver, PH crosshead (lasered), uninsulated, size: PH 1 x 80, 2-component grip, with non-slip grip

SF-SL 1,0X5,5-150 - Screwdriver

1212552

<https://www.phoenixcontact.com/us/products/1212552>



Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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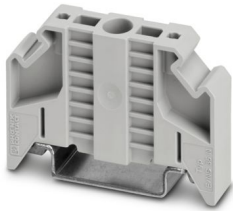
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E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



NBC-PP-G1PGY - DIN rail adapter

1041740

<https://www.phoenixcontact.com/us/products/1041740>

DIN rail adapter, design: Headers with shielding, degree of protection: IP20, material: PC-GF10, connection method: Quick connection, without assembled modules



FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



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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.



G-INS-M20-S68N-PNES-GY - Cable gland

1411125

<https://www.phoenixcontact.com/us/products/1411125>

Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-grey RAL 7001



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TML (104X10)R - Marker strip

0801835

<https://www.phoenixcontact.com/us/products/0801835>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 10 mm, Number of individual labels: 1500

TML (EX9,5)R TR - Marker strip

0816634

<https://www.phoenixcontact.com/us/products/0816634>



Marker strip, Roll, transparent, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 40000 x 9.5 mm, Number of individual labels: 1

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EMLS (70X32)R SR - Safety label with special adhesive

0800346

<https://www.phoenixcontact.com/us/products/0800346>



Safety label with special adhesive, Roll, silver, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 70 x 32 mm, Number of individual labels: 500

EML-HA (76X51)R - Label for rough surfaces

0830609

<https://www.phoenixcontact.com/us/products/0830609>



Label for rough surfaces, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 76 x 51 mm, Number of individual labels: 1000

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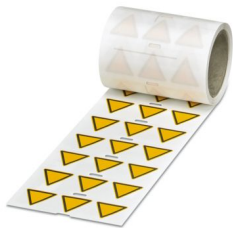
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PML-W100 (25X25)R - Warning label

0830429

<https://www.phoenixcontact.com/us/products/0830429>



Warning label, Roll, yellow/black, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, diameter: 0 mm, lettering field size: 25 x 25 mm, Number of individual labels: 500

LS-EMLP (60X15) WH - Device marker

0831696

<https://www.phoenixcontact.com/us/products/0831696>



Device marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, lettering field size: 60 x 15 mm, Number of individual labels: 20

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WML-RFID/HF 14 (25X19)R - Cable marker

0803386

<https://www.phoenixcontact.com/us/products/0803386>



Cable marker label with RFID-HF transponder, roll, white, unmarked, can be printed with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, mounting type: adhesive, min. cable diameter: 9 mm, max. cable diameter: 14 mm, lettering field size: 25 x 19 mm

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