

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box



1019711

<https://www.phoenixcontact.com/us/products/1019711>

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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, equipped with 6x LC duplex couplings, fully assembled and ready for splicing, with pre-assembled 900 µm pigtails (OS2) and splice holder (for separately sold shrink and crimp splice protection) on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland either at the top or bottom. Housing (2-part) prepared for DIN rail mounting through rear-side adapter (this can also be mounted on the side).

Scope of supply:

DIN rail housing with integrated splice comb (mounted), equipped with 6x LC duplex couplings, 12x pigtails (OS2), 1x 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 NS 35/7,5 or NS 35/15 DIN rails
- Transmission rate up to 1,000 Mbps

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1019711 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| Catalog page | Page 381 (C-2-2019) |
| GTIN | 4055626701035 |
| Weight per piece (including packing) | 732 g |
| Weight per piece (excluding packing) | 710 g |
| Customs tariff number | 85367000 |
| Country of origin | DE |

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Technical data

Notes

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

Product properties

| | |
|------------------------------|-------------------------|
| Type | Rail-mountable module |
| Product type | Network distributor box |
| Sensor type | Ethernet |
| Connection profile | LC-Duplex |
| No. of cable outlets | 2 |
| No. of conductors | 12 |
| Number of module slots | 6 |
| Number of slots | 12 |
| Type of the screw connection | M20 x 1.5 |
| Housing type | DIN rail adapter |
| Protective cover | yes |
| Series | FDX 20 series |
| Cable outlet | above and below |

Electrical properties

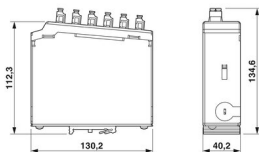
| | |
|---------------------|---------------|
| Attenuation | ≤ 0.3 dB |
| Transmission medium | FO |

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 surface material | Powder-coated, gray |
| Housing material | Metal |

Cable/line

| | |
|--------------------------------|---|
| Cable type | Single-mode fiberglass |
| Cable type | 900 µm |
| Cable structure | semi-loose compact wires (STB) |
| External cable diameter () | 6 mm ... 12 mm |
| External cable diameter | ≤ 12 mm (of 6 mm) |
| | 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 | 12 |
| Fiber | GOF |
| Fiber type | Single-mode fiberglass, resistant to bending G.657 A2 |
| Attenuation | ≤ 0.3 dB (at 1310 nm / 1550 nm) |
| Return Loss | ≥ 50 dB (at 1310 nm / 1550 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) | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

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| | |
|--------------------------------|----------------|
| Ambient temperature (assembly) | 0 °C ... 50 °C |
| Resistance to UV radiation | yes |

Standards and regulations

| | |
|----------------------------|-----|
| Resistance to UV radiation | yes |
| Flame resistance | yes |

Mounting

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

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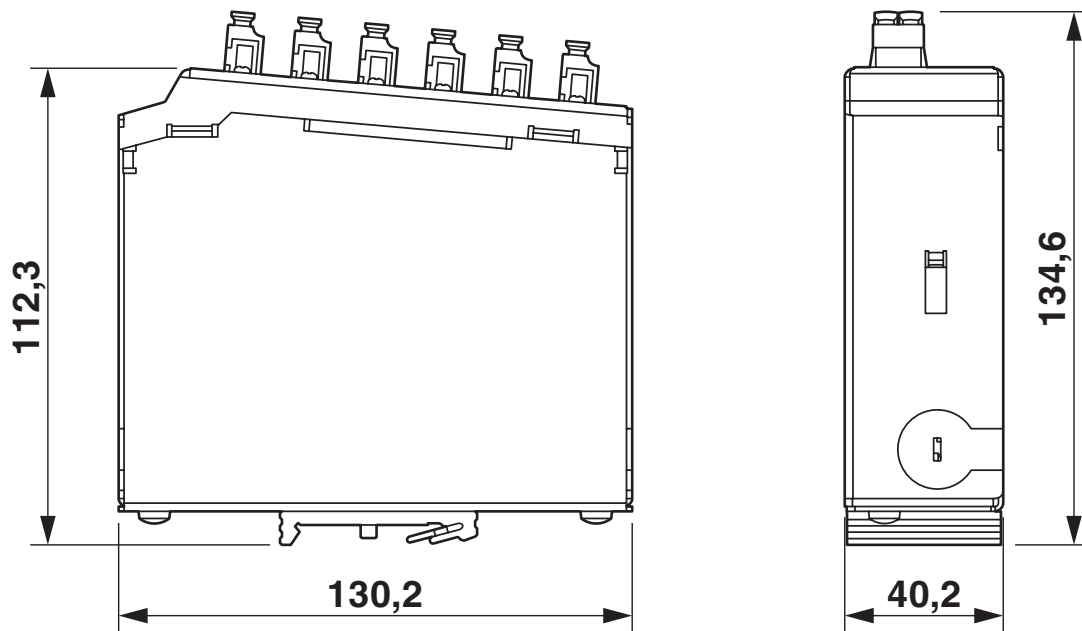
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Drawings

Dimensional drawing



DIN rail splice box 6x LC duplex OS2, fully mounted ready to splice

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1019711>



EAC

Approval ID: B.01687

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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002699 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|



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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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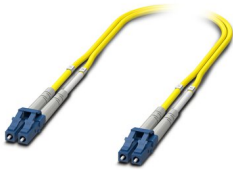
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FOC-LC:PA-LC:PA-OS2:D01/1 - FO patch cable

1115636

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

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



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

1115596

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

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



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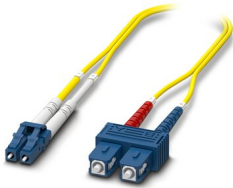
<https://www.phoenixcontact.com/us/products/1019711>

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

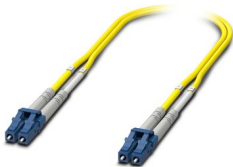


FOC-LC:PA-LC:PA-OS2:D01/2 - FO patch cable

1115629

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

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



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

1115595

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

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

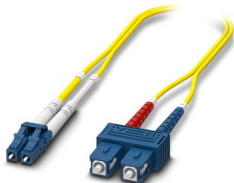


FOC-LC:PA-SC:PA-OS2:D01/2 - FO patch cable

1115617

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

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



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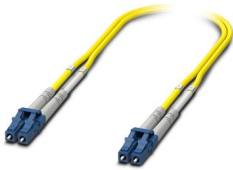
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FOC-LC:PA-LC:PA-OS2:D01/5 - FO patch cable

1115626

<https://www.phoenixcontact.com/us/products/1115626>

Single-mode OS2 duplex jumper, LC-LC, UPC polishing, length 5 m



FOC-LC:PA-ST:PA-OS2:D01/5 - FO patch cable

1115592

<https://www.phoenixcontact.com/us/products/1115592>

Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 5 m



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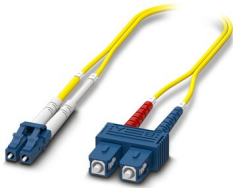
<https://www.phoenixcontact.com/us/products/1019711>

FOC-LC:PA-SC:PA-OS2:D01/5 - FO patch cable

1115615

<https://www.phoenixcontact.com/us/products/1115615>

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 5 m



FOC-OE-OE-GL-U-OS2-12/... - FO cable

1286219

<https://www.phoenixcontact.com/us/products/1286219>



GOF universal cable; 12-wire, loose tube cable for fixed installation; non-metal rodent protection; can be stripped easily; UV resistant; high mechanical and thermal stability; low smoke; halogen-free and self-extinguishing; improved impact resistance; longitudinally and transversely watertight

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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 - Nut

3241134

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

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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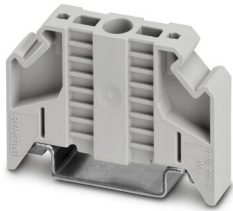
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E/NS 35 N - End clamp

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

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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, 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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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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