

FOC-FDX20-PP-STD6-OSP-PT9 - Splice box



1019682

<https://www.phoenixcontact.com/us/products/1019682>

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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 ST 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 ST 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 | 1019682 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| Catalog page | Page 381 (C-2-2019) |
| GTIN | 4055626701158 |
| Weight per piece (including packing) | 820.5 g |
| Weight per piece (excluding packing) | 820 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 | ST-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

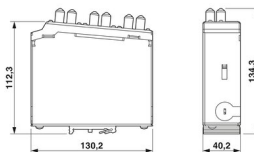
| | |
|---------------------|----------|
| Attenuation | ≤ 0.3 dB |
| Transmission medium | FO |

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 | 2.50 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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Approvals

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EAC

Approval ID: B.01687

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Classifications

ECLASS

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

ETIM

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| ETIM 8.0 | EC002699 |
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UNSPSC

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| 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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