# FOC-FDX20-PP-SCD6-OSA-PT9 - Splice box

1343382

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DIN rail splice box 6x SC duplex, including pigtails and splice holder

Splice box, Rail-mountable module, connection method: Splicing, material: Metal, degree of protection: IP20, housing size: 1, color: gray

## Product description

FDX 20 series DIN rail splice box, assembled with 6x SC duplex coupling APC, fully assembled and ready for splicing with pre-assembled 900 µm pigtails (OS2). 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 SC duplex coupling APC, 12x pigtail (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
- Continuously reliable data connection, thanks to extensively tested components
- Snap-on mounting on standard DIN rails NS 35/7.5 or NS 35/15
- Perfectly sized and patented pigtail tray for convenient splicing and compact bending radii.
- Particularly suitable for fusion splicing
- For easy field connection

## Commercial data

| | |
|---|---|
| Item number | 1343382 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| GTIN | 4063151655143 |
| Weight per piece (including packing) | 707.4 g |
| Weight per piece (excluding packing) | 646.731 g |
| Customs tariff number | 85367000 |
| Country of origin | DE |

# 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 |
| Series | FDX 20 series |
| Type | Rail-mountable module |
| Connection profile | SC-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 |
| 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

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

### Housing

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

### Mechanical characteristics

| | |
|---|---|
| Ferrule diameter | 2.5 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 | Single-mode 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 |
| Whip length | ≥ 1.5 m |
| Halogen-free | yes |
| Resistance to oil | no |
| Flame resistance | yes |

### FO cable

| | |
|---|---|
| Number of fibers | 12 |
| Fiber type | Single mode fiberglass, 9/125 µm |
| Attenuation | ≤ 0.3 dB (at 1310 nm / 1550 nm) |
| Return Loss | ≥ 65 dB |
| Transmission medium | FO |

## Mechanical properties

### Mechanical data

| | |
|---|---|
| Type of the screw connection | M20 x 1.5 |
| Insertion/withdrawal cycles | ≥ 500 |
| Smallest bending radius | 30 mm |

## 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 (Category OPhd+) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | 0 °C ... 55 °C |
| Resistance to oil | no |

## Standards and regulations

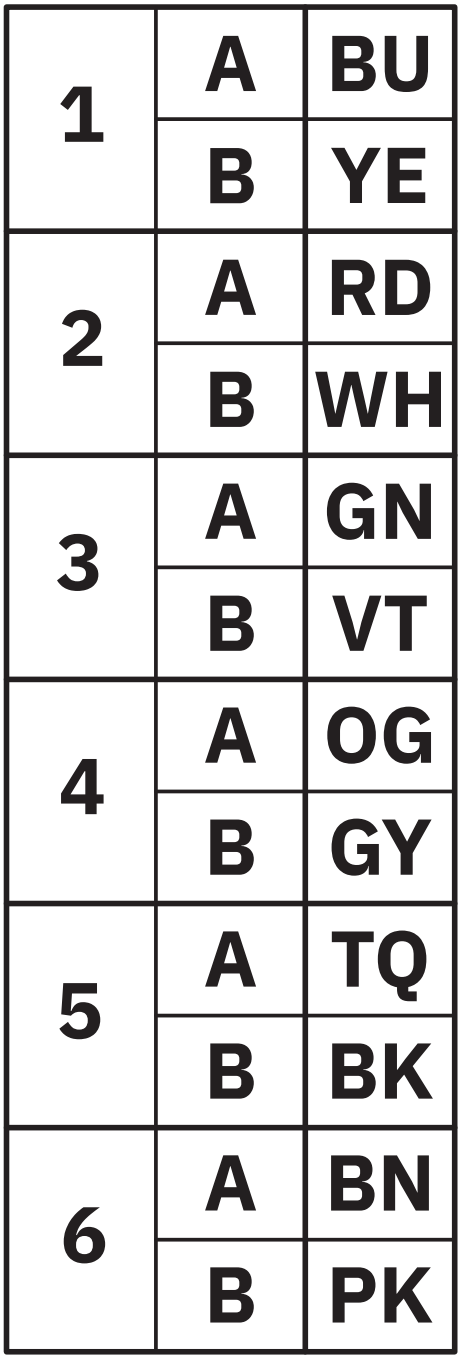
| | |
|---|---|
| Flame resistance | yes |
| Resistance to oil | no |

## Mounting

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

## Drawings

Schematic diagram




Pin assignment in accordance with IEC 60794-2

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1343382

**UL Listed**
Approval ID: E335024-20250729

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 19170113 |
| ECLASS-15.0 | 19170113 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002699 |

### UNSPSC

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

## 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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