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

1019692

https://www.phoenixcontact.com/us/products/1019692

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.



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

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

## Product description

FDX 20 series DIN rail splice box, equipped with 6x SC 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 SC 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
- 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 | 1019692 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| GTIN | 4055626701110 |
| Weight per piece (including packing) | 724.9 g |
| Weight per piece (excluding packing) | 633.191 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 |
| Housing type | DIN rail adapter |
| 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 |

## Interfaces

| | |
|---|---|
| Signal type/category | Ethernet |

## 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 |
| Halogen-free | yes |
| Resistance to oil | no |
| 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 |
| Ambient temperature (assembly) | 0 °C ... 50 °C |
| Resistance to UV radiation | yes |
| Resistance to oil | no |

## Standards and regulations

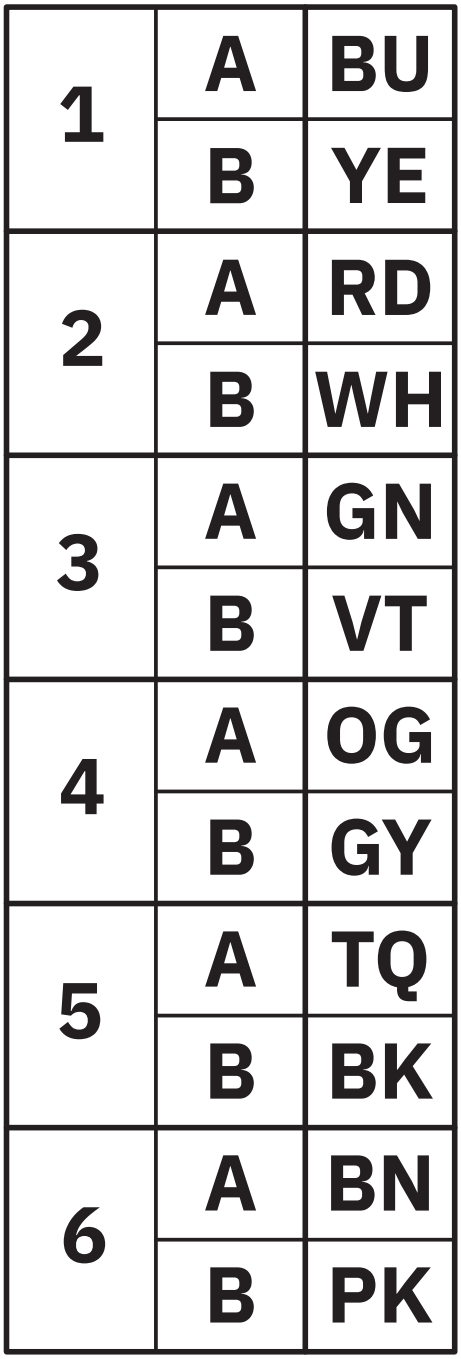
| | |
|---|---|
| Flame resistance | yes |
| Resistance to oil | no |

## 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/1019692

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

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

## 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% |

Phoenix Contact 2026 © - 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