

# FOC-FDX20-PP-STD6-OM2-PT9 - Splice box



1019683

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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 ST duplex coupling, fully assembled and ready for splicing with pre-assembled 900 µm pigtails (OM2) and splice holder (for separately sold shrink and crimp splice protection), on a patented splice comb made from powder-coated sheet steel. Cable entry possible via cable gland from above or below. Housing (2-part) prepared for DIN rail mounting through the rear-side adapter (this can also be mounted on the side).

### Scope of supply:

DIN rail housing with integrated splice comb (mounted), assembled with 6x ST duplex coupling, 12x pigtail (OM2), 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 NS 35/7,5 or NS 35/15 DIN rails

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1019683             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | AB15                |
| Product key                          | ABNGAA              |
| Catalog page                         | Page 381 (C-2-2019) |
| GTIN                                 | 4055626701141       |
| Weight per piece (including packing) | 819.9 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           | 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               |
| Protective cover             | yes                     |
| Cable outlet                 | above and below         |

### Electrical properties

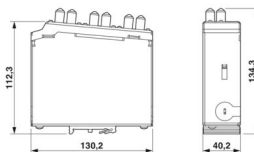
|                     |               |
|---------------------|---------------|
| Attenuation         | $\leq 0.3$ dB |
| Transmission medium | FO            |

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

## FO cable

|                     |                                 |
|---------------------|---------------------------------|
| Number of fibers    | 12                              |
| 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              |

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|                                |                |
|--------------------------------|----------------|
| 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 instructions | Option for flexible replugging of DIN rail adapter |

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