

# FOC-FDX20-PP-SCD6-OM4-PT9 - Splice box



1019698

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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

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

## 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 (OM4) 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 (OM4), 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                          | 1019698       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB15          |
| Product key                          | ABNGAA        |
| GTIN                                 | 4055626701103 |
| Weight per piece (including packing) | 704.3 g       |
| Weight per piece (excluding packing) | 617.701 g     |
| Customs tariff number                | 85367000      |
| Country of origin                    | DE            |

1019698

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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           | 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 | 2.50 mm |
|------------------|---------|

### Material specifications

|  |                   |
|--|-------------------|
| Color                                  | gray              |
| Flammability rating according to UL 94 | V0                |
| Ferrule material                       | Zirconia ceramics |

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|                          |                     |
|--------------------------|---------------------|
| 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          | Multimode fiberglass 50/125 µm |
| 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)         | -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 |
|------------------|-----|

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|                   |    |
|-------------------|----|
| Resistance to oil | no |
|-------------------|----|

## Mounting

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

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## Approvals

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**UL Listed**

Approval ID: E335024-20250729



**cUL Listed**

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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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