

# FOC-FDX20-PP-LCD6-OM2-PT9 - Splice box



1019713

<https://www.phoenixcontact.com/pc/products/1019713>

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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

DIN rail splice box of the FDX 20 series, equipped with 6x LC duplex couplings, fully assembled and ready for splicing, with pre-assembled 900 µm pigtails (OM2) and splice holder (for separately available shrink und crimp splicing 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 a 6x LC 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 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                          | 1019713       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | ABNGAA        |
| GTIN                                 | 4055626694825 |
| Weight per piece (including packing) | 685 g         |
| Weight per piece (excluding packing) | 601.321 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   |
| Sensor type                  | Ethernet                |
| Connection profile           | LC-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 | 1.25 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)         | -25 °C ... 70 °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 9.0 | EC001130 |
|----------|----------|

### 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% |
|-------------------------------------|----------------------------|