

# FOC-FDX20-FR19-SCD24-OM2-PT9 - Splice box



1145407

<https://www.phoenixcontact.com/us/products/1145407>

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Splice box, design: 1RU, degree of protection: IP20, material: Metal, connection method: Splicing, housing size: 1, color: gray



## Product description

FDX 20 series 19" splice boxes, 1 RU, with removable drawer, for 24x SC duplex OM2, blue, completely ready to splice (correctly pre-mounted: 24 SC duplex couplings, 24 filler plugs, 48 pigtails, 4 cassettes, 4 combs, 1 cassette cover).  
4 cable entries (rear) incl. 2 Pg16 cable glands, 2 sealing caps, and 19" mounting set.

## Your advantages

- Intuitive front-panel operation and clear control cabinet layout thanks to uniform design
- For easy field connection
- Exceptional fiber quality for reliable data transmission
- Continuously reliable data connection, thanks to extensively tested components

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1145407       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB15          |
| Product key                          | ABNGBA        |
| GTIN                                 | 4063151136000 |
| Weight per piece (including packing) | 3,380 g       |
| Weight per piece (excluding packing) | 3,092.31 g    |
| Customs tariff number                | 85367000      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                              |                         |
|------------------------------|-------------------------|
| Product type                 | Network distributor box |
| Series                       | FDX 20 series           |
| Type                         | 19" rack patch module   |
| Connection profile           | SC-Duplex               |
| No. of cable outlets         | 4                       |
| No. of conductors            | 48                      |
| Number of module slots       | 24                      |
| Number of slots              | 48                      |
| Type of the screw connection | 2x Pg16                 |
| Protective cover             | yes                     |

### Electrical properties

|                     |          |
|---------------------|----------|
| Attenuation         | ≤ 0.3 dB |
| Transmission medium | FO       |

### Connection data

#### Connection technology

|                   |          |
|-------------------|----------|
| Connection method | Splicing |
|-------------------|----------|

### Dimensions

|        |          |
|--------|----------|
| Width  | 480 mm   |
| Height | 44.45 mm |
| Depth  | 280 mm   |

#### Mechanical characteristics

|                  |         |
|------------------|---------|
| 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               | Fiberglass                     |
| Cable type               | Loose Tube                     |
| Cable structure          | semi-loose compact wires (STB) |
| External cable diameter  | 6 mm ... 12 mm                 |
| Individual wire diameter | 900 µm                         |
| Single wire, color       | color coded                    |

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|                  |        |
|------------------|--------|
| Whip length      | 750 mm |
| Halogen-free     | yes    |
| Flame resistance | yes    |

## FO cable

|                     |                                |
|---------------------|--------------------------------|
| Number of fibers    | 48                             |
| 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 | 2x Pg16 |
| 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             |
| 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              |

## Standards and regulations

|                  |     |
|------------------|-----|
| Flame resistance | yes |
|------------------|-----|

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | 19" rack mounting |
|---------------|-------------------|

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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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