

FOC-FDX20-PP-LCQ6-OM2-PT9 - Splice box



1019709

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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 12x LC duplex, including pigtails and splice holder

Product description

FDX 20 series DIN rail splice box, assembled with 6x LC quad coupling, fully assembled and ready for splicing with pre-assembled 900 µm pigtails (OM2) and splice holder for separately available shrink and crimp splicing protection, on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland from above or below. Housing, 2-part, prepared for DIN rail mounting through the rear-side adapter. The adapter can also be mounted on the side.

Scope of supply:

DIN rail housing with integrated splice comb (mounted), assembled with 6x LC quad coupling, 24x pigtail (OM2), 2x 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 | 1019709 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB15 |
| Product key | ABNGAA |
| GTIN | 4055626701059 |
| Weight per piece (including packing) | 720 g |
| Weight per piece (excluding packing) | 641.497 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 | LC-Duplex |
| No. of cable outlets | 2 |
| No. of conductors | 24 |
| Number of module slots | 12 |
| Number of slots | 24 |
| 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 | 24 |
| 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

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

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|-------------|----------|
| 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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com