

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



1019709

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DIN rail splice box 12x LC duplex, including pigtails and splice holder

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 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 |

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 |
| 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 |

Interfaces

| | |
|----------------------|----------|
| Signal type/category | Ethernet |
|----------------------|----------|

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 |
|-------|------|

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| | |
|--|---------------------|
| 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) |
| Signal type/category | Ethernet |
| 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 |

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Standards and regulations

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