

# FOC-FDX20-PP-LCQ6-OSP-PT9 - Splice box



1019707

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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, equipped with 6x LC quad coupling, fully assembled and ready for splicing with preassembled 900 µm pigtails (OS2) and splice holder for separately available shrink and crimp splicing protection, on a patented splice comb made from powder-coated sheet steel. Cable entry 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 (OS2), 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	1019707
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAA
GTIN	4055626701073
Weight per piece (including packing)	718 g
Weight per piece (excluding packing)	636.057 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.
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### 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
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### Dimensions

Width	40 mm
Height	130 mm
Depth	115 mm

#### Housing

Housing width	40 mm
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#### Mechanical characteristics

Ferrule diameter	1.25 mm
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### 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	Single-mode 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	Single-mode fiberglass, resistant to bending G.657 A2
Attenuation	≤ 0.3 dB (at 1310 nm / 1550 nm)
Return Loss	≥ 50 dB (at 1310 nm / 1550 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
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## 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 oil	no

## Standards and regulations

Flame resistance	yes
Resistance to oil	no

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## 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**

Approval ID: E335024-20250729

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## Classifications

### ECLASS

ECLASS-13.0	19170113
ECLASS-15.0	19170113

### ETIM

ETIM 10.0	EC002699
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### UNSPSC

UNSPSC 21.0	43223300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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