

# FOC-FDX20-FR19-LCD12-OSP-PT9 - Splice box



1145411

<https://www.phoenixcontact.com/us/products/1145411>

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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 12x LC duplex OS2, blue, completely ready to splice (correctly pre-mounted: 12 LC duplex couplings, 12 filler plugs, 24 pigtails, 2 cassettes, 2 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
- Flexible DIN rail mounting possible in six positioning directions
- Suitable for industrial applications
- Reduced installation time with plug-and-play
- Pin assignment straight in line in a link
- Continuously reliable data connection, thanks to extensively tested components
- Snap-on mounting on standard DIN rails NS 35/7.5 or NS 35/15
- Transmission rate up to 1000 Mbps

## Commercial data

Item number	1145411
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGBA
GTIN	4063151136109
Weight per piece (including packing)	2,952 g
Weight per piece (excluding packing)	2,827.572 g
Customs tariff number	85367000
Country of origin	DE

## Technical data

### Product properties

Product type	Network distributor box
Series	FDX 20 series
Type	19" rack patch module
Connection profile	LC-Duplex
No. of cable outlets	4
No. of conductors	24
Number of module slots	12
Number of slots	24
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
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### Dimensions

Width	480 mm
Height	44.45 mm
Depth	280 mm

#### 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
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	7 mm ... 12 mm
External cable diameter	6 mm ... 12 mm
Individual wire diameter	900 µm

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Single wire, color	color coded
Whip length	750 mm
Halogen-free	yes
Flame resistance	yes

## FO cable

Number of fibers	24
Fiber	GOF
Fiber type	Single mode fiberglass, 9/125 µm
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	2x Pg16
Insertion/withdrawal cycles	≥ 500
Smallest bending radius	30 mm

## Characteristics

Attenuation	≤ 0.3 dB
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## 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
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## Mounting

Mounting type	19" rack mounting
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## Classifications

### ECLASS

ECLASS-13.0	19170113
ECLASS-15.0	19170113

### ETIM

ETIM 9.0	EC001130
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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
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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