

# FOC-FDX20-FR19-STD12-OM1-PT9 - Splice box



1145399

<https://www.phoenixcontact.com/us/products/1145399>

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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 ST duplex OM1, metal, completely ready to splice (correctly pre-mounted: 12 ST 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
- For easy field connection
- Suitable for industrial applications
- Exceptional fiber quality for reliable data transmission
- Continuously reliable data connection, thanks to extensively tested components

## Commercial data

Item number	1145399
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGBA
GTIN	4063151135195
Weight per piece (including packing)	3,026 g
Weight per piece (excluding packing)	2,955.552 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	ST-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	2.50 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	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	24
Fiber	GOF
Fiber type	Multimode fiberglass 62.5/125 $\mu\text{m}$
Attenuation	$\leq 0.3$ dB (at 850 nm / 1300 nm)
Return Loss	$\geq 35$ dB (at 850 nm / 1300 nm)
Transmission medium	FO

## Mechanical properties

### Mechanical data

Type of the screw connection	2x Pg16
Insertion/withdrawal cycles	$\geq 500$
Smallest bending radius	30 mm

## Characteristics

Attenuation	$\leq 0.3$ 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 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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