

# FOC-FDX20-PP-E2D6-OSA-PT9 - Splice box



1019680

<https://www.phoenixcontact.com/us/products/1019680>

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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 6x E2000® duplex OS2  
APC, fully mounted ready to splice

## Product description

FDX 20 series DIN rail splice box, equipped with 6x E2000® duplex couplings, fully assembled and ready for splicing with pre-assembled 900 µm pigtails (OS2 APC) and splice holder (for separately sold shrink and crimp splice protection) on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland either at the top or bottom. Housing (2-part) prepared for DIN rail mounting through rear-side adapter (this can also be mounted on the side).

### Scope of supply:

DIN rail housing with integrated splice comb (mounted), equipped with 6x E2000® duplex couplings, 12x pigtails (OS2 APC), 1x 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	1019680
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAA
GTIN	4055626701172
Weight per piece (including packing)	746.3 g
Weight per piece (excluding packing)	649.883 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.
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### Product properties

Product type	Network distributor box
Housing type	DIN rail adapter
Series	FDX 20 series
Type	Rail-mountable module
Connection profile	LSH / E2000™
No. of cable outlets	2
No. of conductors	12
Number of module slots	6
Number of slots	12
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
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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	2.50 mm
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### 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	Single-mode 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	12
Fiber	GOF
Fiber type	Single-mode fiberglass, resistant to bending G.657 A2
Attenuation	≤ 0.25 dB (at 1310 nm / 1550 nm)
Return Loss	≥ 65 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 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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## 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)