

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box



1019711

<https://www.phoenixcontact.com/us/products/1019711>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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, equipped with 6x LC duplex couplings, fully assembled and ready for splicing, with pre-assembled 900 µm pigtailed (OS2) 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 LC duplex couplings, 12x pigtailed (OS2), 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	1019711
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAA
GTIN	4055626701035
Weight per piece (including packing)	692 g
Weight per piece (excluding packing)	600.551 g
Customs tariff number	85367000
Country of origin	DE

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box



1019711

<https://www.phoenixcontact.com/us/products/1019711>

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
Sensor type	Ethernet
Connection profile	LC-Duplex
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

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
Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box

1019711

<https://www.phoenixcontact.com/us/products/1019711>



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	12
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
-------------	----------

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

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box

1019711

<https://www.phoenixcontact.com/us/products/1019711>



Mounting

Mounting type	DIN rail mounting
Assembly note	Option for flexible replugging of DIN rail adapter

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box

1019711

<https://www.phoenixcontact.com/us/products/1019711>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1019711>



UL Listed

Approval ID: E335024-20250729



cUL Listed

Approval ID: E335024-20250729

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box

1019711

<https://www.phoenixcontact.com/us/products/1019711>



Classifications

ECLASS

ECLASS-13.0	19170113
ECLASS-15.0	19170113

ETIM

ETIM 9.0	EC001130
----------	----------

UNSPSC

UNSPSC 21.0	43223300
-------------	----------

FOC-FDX20-PP-LCD6-OSP-PT9 - Splice box

1019711

<https://www.phoenixcontact.com/us/products/1019711>



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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com