

FOC-FDX20-PP-LCQ6-OM4-PT9 A05 - Splice box



1083300

<https://www.phoenixcontact.com/us/products/1083300>

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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

Product description

FDX 20 series DIN rail splice box, equipped with 12x LC duplex couplings, fully assembled and ready for splicing, with pre-assembled 900 µm pigtails (OM4) 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 12x LC duplex couplings, 24x pigtails (OM4), 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
- 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	1083300
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAS
GTIN	4055626818580
Weight per piece (including packing)	780.5 g
Weight per piece (excluding packing)	577 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.

Product properties

Product type	Network distributor box
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

Data management status

Article revision	07
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Electrical properties

Attenuation	≤ 0.3 dB
Transmission medium	FO

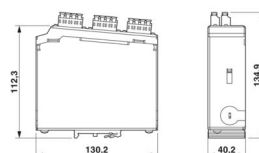
Connection data

Connection technology

Connection method	Splicing
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Dimensions

Dimensional drawing



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
Housing material	Metal
Housing surface material	Powder-coated, gray

Cable/line

Cable type	Multimode 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
Flame resistance	yes

FO cable

Number of fibers	24
Fiber	GOF
Fiber type	Multi-mode 50/125 µm fiberglass
Attenuation	≤ 0.3 dB (at 850 nm / 1300 nm)
Return Loss	≥ 35 dB (at 850 nm / 1300 nm)
Transmission medium	FO

Mechanical properties

Mechanical data

Type of the screw connection	M20 x 1.5
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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

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Resistance to UV radiation	yes
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Standards and regulations

Flame resistance	yes
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Mounting

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

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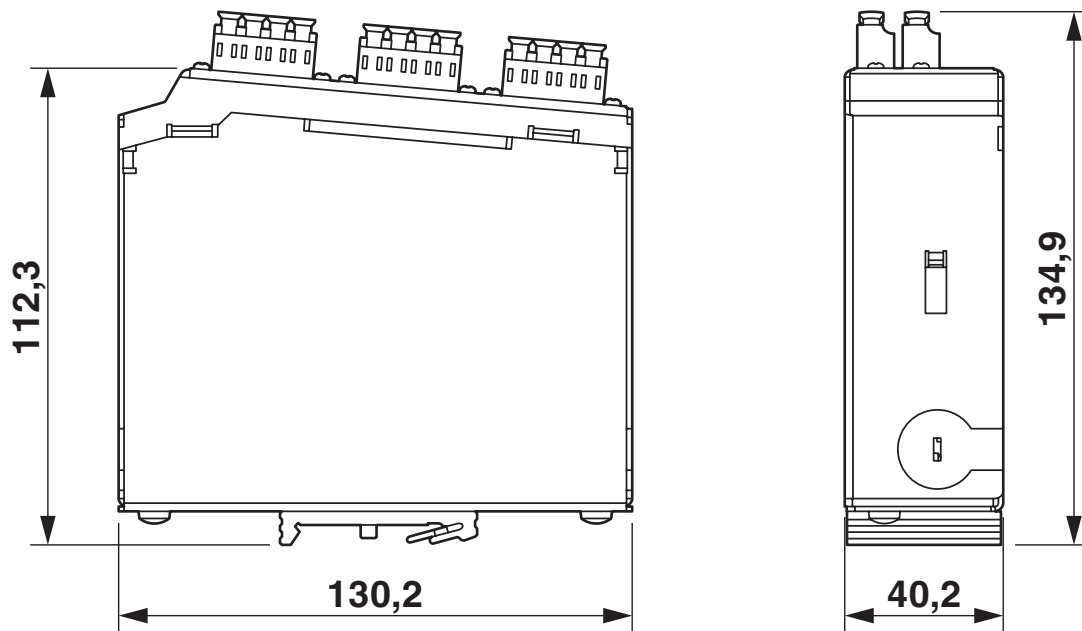


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Drawings

Dimensional drawing



DIN rail splice box 6x LC quad OM4, fully mounted ready to splice



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Classifications

ECLASS

ECLASS-11.0	19170113
ECLASS-12.0	19170113
ECLASS-13.0	19170113

ETIM

ETIM 8.0	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
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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Mandatory accessories

FOC-SHRINKSPLICE-PROTECT - Shrink splice protection

1019676

<https://www.phoenixcontact.com/us/products/1019676>



Shrink splice protection, design: Straight, degree of protection: IP20, cable outlet: above and below, color: transparent

FOC-CRIMPSPLICE-PROTECT - Crimp splice protection

1019678

<https://www.phoenixcontact.com/us/products/1019678>



Crimp splice protection, design: Straight, degree of protection: IP20, connection method: Crimp connection, cable outlet: above and below, color: Bare metallic

Accessories

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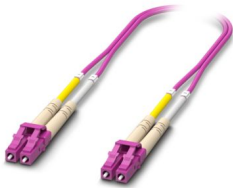
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FOC-LC:PA-LC:PA-OM4:D01/1 - FO patch cable

1115625

<https://www.phoenixcontact.com/us/products/1115625>

Multi-mode OM4 duplex jumper, LC-LC, UPC polishing, length 1 m

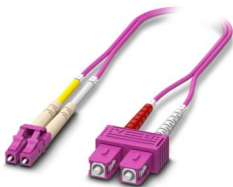


FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

<https://www.phoenixcontact.com/us/products/1115601>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 1 m



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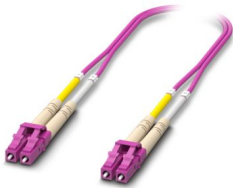
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FOC-LC:PA-LC:PA-OM4:D01/2 - FO patch cable

1115624

<https://www.phoenixcontact.com/us/products/1115624>

Multi-mode OM4 duplex jumper, LC-LC, UPC polishing, length 2 m

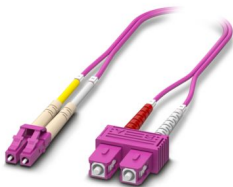


FOC-LC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115600

<https://www.phoenixcontact.com/us/products/1115600>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 2 m



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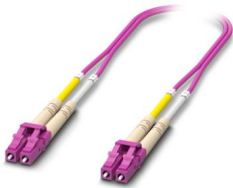
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FOC-LC:PA-LC:PA-OM4:D01/5 - FO patch cable

1115621

<https://www.phoenixcontact.com/us/products/1115621>

Multi-mode OM4 duplex jumper, LC-LC, UPC polishing, length 5 m

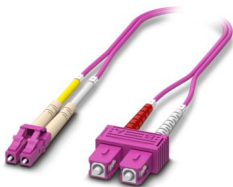


FOC-LC:PA-SC:PA-OM4:D01/5 - FO patch cable

1115598

<https://www.phoenixcontact.com/us/products/1115598>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 5 m



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FOC-OE-OE-GMB-U-OM4-24/... - FO cable

1286208

<https://www.phoenixcontact.com/us/products/1286208>



GOF universal cable, 24-wire, mini breakout cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

FOC-OE-OE-GL-U-OM4-24/... - FO cable

1286211

<https://www.phoenixcontact.com/us/products/1286211>



GOF universal cable, 24-wire, loose tube cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

FOC-FDX20-PP-LCQ6-OM4-PT9 A05 - Splice box



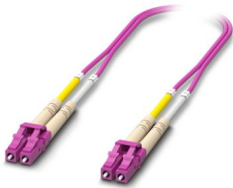
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FOC-LC:A-LC:A-GZ03/... - FO patch cable

1405690

<https://www.phoenixcontact.com/us/products/1405690>

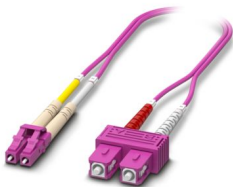


Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM4, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-SC:A-LC:A-GZ03/... - FO patch cable

1405693

<https://www.phoenixcontact.com/us/products/1405693>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM4, plug: SC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

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FOC-LC:A-SJ:A-GZ03/... - FO patch cable

1405696

<https://www.phoenixcontact.com/us/products/1405696>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM4, plug: LC/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-TOOL-FERRULECLEANER-1.25 - FO accessories

1407032

<https://www.phoenixcontact.com/us/products/1407032>



Ferrule cleaner, 1.25 mm, for LC, approx. 500 cleaning cycles

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<https://www.phoenixcontact.com/us/products/1083300>



FOC-TOOL-STICKCLEANER-1.25 - FO accessories

1407000

<https://www.phoenixcontact.com/us/products/1407000>



Stick cleaner for couplings and plug end faces, 1.25 mm (LC), Pcs. / Pkt.: 10

A-INSP-M20-68N-P-LG - Screw plug

1424519

<https://www.phoenixcontact.com/us/products/1424519>



Screw plug, material for screw connection: PA, connecting thread: M20 x 1.5, color: lightgray RAL 7035, with O-ring

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WP-CN PA M20 - Counter nut

3241134

<https://www.phoenixcontact.com/us/products/3241134>

Counter nut, for threads M20, color: gray



SF-PH 1-80 - Screwdriver

1212559

<https://www.phoenixcontact.com/us/products/1212559>

Screwdriver, PH crosshead (lasered), uninsulated, size: PH 1 x 80, 2-component grip, with non-slip grip



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SF-SL 1,0X5,5-150 - Screwdriver

1212552

<https://www.phoenixcontact.com/us/products/1212552>

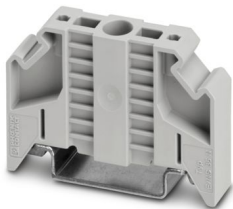


Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

E/NS 35 N - End bracket

0800886

<https://www.phoenixcontact.com/us/products/0800886>



End clamp, width: 9.5 mm, color: gray

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NBC-PP-G1PGY - DIN rail adapter

1041740

<https://www.phoenixcontact.com/us/products/1041740>



DIN rail adapter, design: Headers with shielding, degree of protection: IP20, material: PC-GF10, connection method: Quick connection, without assembled modules

FL DIN RA - DIN rail adapter

2891053

<https://www.phoenixcontact.com/us/products/2891053>



The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.

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G-INS-M20-S68N-PNES-GY - Cable gland

1411125

<https://www.phoenixcontact.com/us/products/1411125>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-gray RAL 7001

TML (104X10)R - Marker strip

0801835

<https://www.phoenixcontact.com/us/products/0801835>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 10 mm, Number of individual labels: 1500

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TML (EX9,5)R TR - Marker strip

0816634

<https://www.phoenixcontact.com/us/products/0816634>



Marker strip, Roll, transparent, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 40000 x 9.5 mm, Number of individual labels: 1

EMLS (70X32)R SR - Safety label with special adhesive

0800346

<https://www.phoenixcontact.com/us/products/0800346>



Safety label with special adhesive, Roll, silver, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 70 x 32 mm, Number of individual labels: 500

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EML-HA (76X51)R - Label for rough surfaces

0830609

<https://www.phoenixcontact.com/us/products/0830609>



Label for rough surfaces, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 76 x 51 mm, Number of individual labels: 1000

PML-W100 (25X25)R - Warning label

0830429

<https://www.phoenixcontact.com/us/products/0830429>



Warning label, Roll, yellow/black, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, diameter: 0 mm, lettering field size: 25 x 25 mm, Number of individual labels: 500

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LS-EMLP (60X15) WH - Device marker

0831696

<https://www.phoenixcontact.com/us/products/0831696>

Device marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, lettering field size: 60 x 15 mm, Number of individual labels: 20



WML-RFID/HF 14 (25X19)R - Cable marker

0803386

<https://www.phoenixcontact.com/us/products/0803386>

Cable marker label with RFID-HF transponder, roll, white, unmarked, can be printed with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, mounting type: adhesive, min. cable diameter: 9 mm, max. cable diameter: 14 mm, lettering field size: 25 x 19 mm



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