

FOC-FDX20-PP-LCQ6-MM - Distributor



1019705

<https://www.phoenixcontact.com/us/products/1019705>

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Distributor, design: Rail-mountable module, degree of protection: IP20, material: Metal, connection method: Splicing, cable outlet: above and below, housing size: 1, color: gray

Product description

FDX 20 series DIN rail distributor box without pigtails, assembled with 6x LC quad coupling, multimode made from plastic. Splice holder for separately available shrink and crimp splicing protection, on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland from above or below. Housing, 2-part, prepared for DIN rail mounting through the rear-side adapter. The adapter can also be mounted on the side.

Scope of supply:

DIN rail housing with integrated splice comb (mounted), assembled with 6x LC quad coupling, 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	1019705
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAB
Catalog page	Page 381 (C-2-2019)
GTIN	4055626701080
Weight per piece (including packing)	730 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:

Wire pigtails must be ordered separately

Product properties

Product type	Network distributor box
Housing type	DIN rail adapter
Series	FDX 20 series
Type	Rail-mountable module
Connection profile	LC-Duplex
No. of cable outlets	2
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

10

Electrical properties

Transmission medium

FO

Connection data

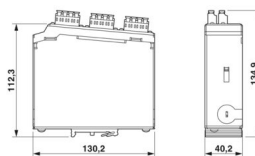
Connection technology

Connection method

Splicing

Dimensions

Dimensional drawing



Width

40 mm

Height

130 mm

Depth

115 mm

Housing

Housing width

40 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
External cable diameter	6 mm ... 12 mm
External cable diameter	6 mm ... 12 mm
Wire diameter incl. insulation	900 µm
Resistance to oil	no
Flame resistance	yes

FO cable

Fiber	GOF
Fiber type	Multi-mode fiberglass
Transmission medium	FO

Mechanical properties

Mechanical data

Type of the screw connection	M20 x 1.5
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (according to IEC 60529)
	IP20
Ambient temperature (operation)	-40 °C ... 85 °C (Category OPhd+)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	0 °C ... 50 °C
Resistance to oil	no

Standards and regulations

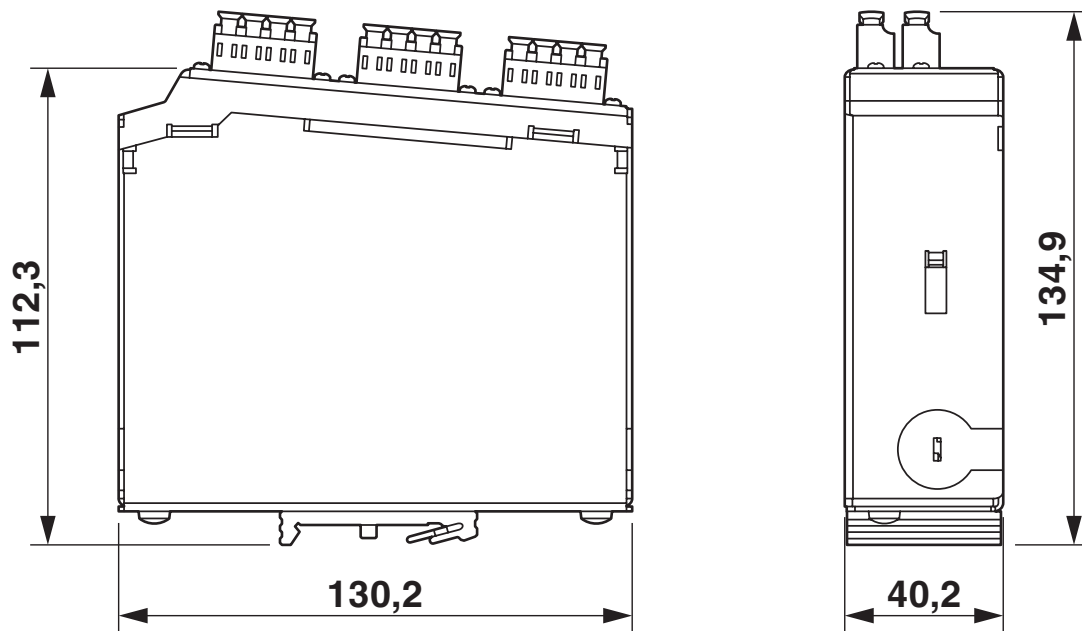
Flame resistance	yes
Resistance to oil	no

Mounting

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

Drawings

Dimensional drawing



DIN rail distributor 6x LC quad



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Classifications

ECLASS

ECLASS-11.0	19170113
ECLASS-12.0	19170113
ECLASS-13.0	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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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

FOC-FDX20-PP-LCQ6-MM - Distributor



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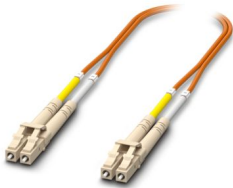
<https://www.phoenixcontact.com/us/products/1019705>

FOC-LC:PA-LC:PA-OM2:D01/1 - FO patch cable

1115633

<https://www.phoenixcontact.com/us/products/1115633>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 1 m

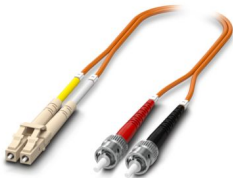


FOC-LC:PA-ST:PA-OM2:D01/1 - Fiber optic cable

1115588

<https://www.phoenixcontact.com/us/products/1115588>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 1 m



FOC-FDX20-PP-LCQ6-MM - Distributor



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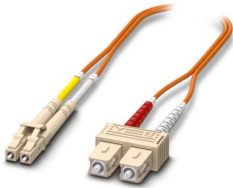
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FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

<https://www.phoenixcontact.com/us/products/1115607>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 1 m

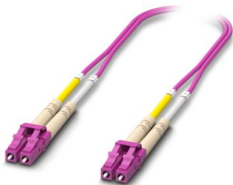


FOC-LC:PA-LC:PA-OM4:D01/1 - FO patch cable

1115625

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

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



FOC-FDX20-PP-LCQ6-MM - Distributor



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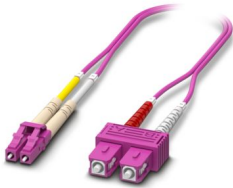
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FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

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

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

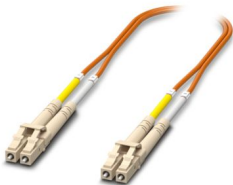


FOC-LC:PA-LC:PA-OM1:D01/1 - FO patch cable

1146497

<https://www.phoenixcontact.com/us/products/1146497>

Multi-mode OM1 duplex jumper, LC-LC, UPC polishing, length 1 m



FOC-FDX20-PP-LCQ6-MM - Distributor



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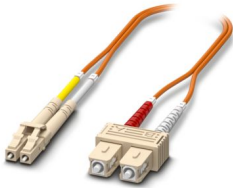
<https://www.phoenixcontact.com/us/products/1019705>

FOC-LC:PA-SC:PA-OM1:D01/1 - FO patch cable

1146498

<https://www.phoenixcontact.com/us/products/1146498>

Multi-mode OM1 duplex jumper, LC-SC, UPC polishing, length 1 m

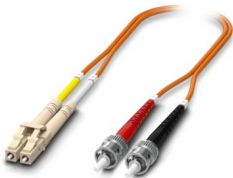


FOC-LC:PA-ST:PA-OM1:D01/1 - FO patch cable

1146499

<https://www.phoenixcontact.com/us/products/1146499>

Multi-mode OM1 duplex jumper, LC-ST, UPC polishing, length 1 m



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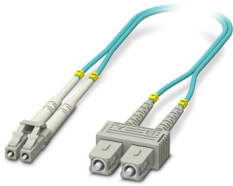
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FOC-LC:PA-SC:PA-OM3:D01/1 - FO patch cable

1185480

<https://www.phoenixcontact.com/us/products/1185480>

Multi-mode OM3 duplex jumper, LC-SC, UPC polishing, length 1 m

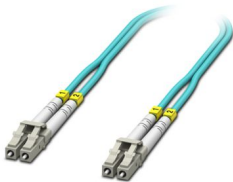


FOC-LC:PA-LC:PA-OM3:D01/1 - FO patch cable

1185473

<https://www.phoenixcontact.com/us/products/1185473>

Multi-mode OM3 duplex jumper, LC-LC, UPC polishing, length 1 m



FOC-FDX20-PP-LCQ6-MM - Distributor

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FOC-PT9:LC-OM1/2.5 - Fiber optic cable

1250833

<https://www.phoenixcontact.com/us/products/1250833>

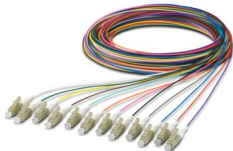


Fiber optic cable, design: LC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: LC, cable outlet: straight, color: beige

FOC-PT9:LC-OM2/2.5 - FO cable

1208101

<https://www.phoenixcontact.com/us/products/1208101>



FO cable, design: LC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: LC, cable outlet: straight, color: beige

FOC-FDX20-PP-LCQ6-MM - Distributor



1019705

<https://www.phoenixcontact.com/us/products/1019705>

FOC-PT9:LC-OM3/2.5 - Fiber optic cable

1208103

<https://www.phoenixcontact.com/us/products/1208103>

Fiber optic cable, design: LC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: LC, cable outlet: straight, color: turquoise



FOC-PT9:LC-OM4/2.5 - Fiber optic cable

1208104

<https://www.phoenixcontact.com/us/products/1208104>

Fiber optic cable, design: LC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, 10 Gbps, connection method: LC, cable outlet: straight, color: violet



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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-MM - Distributor



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<https://www.phoenixcontact.com/us/products/1019705>

FOC-OE-OE-GL-U-OM3-24/... - FO cable

1286214

<https://www.phoenixcontact.com/us/products/1286214>



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-OE-OE-GL-U-OM2-24/... - FO cable

1286215

<https://www.phoenixcontact.com/us/products/1286215>



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-MM - Distributor

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FOC-OE-OE-GL-U-OM1-24/... - FO cable

1286217

<https://www.phoenixcontact.com/us/products/1286217>

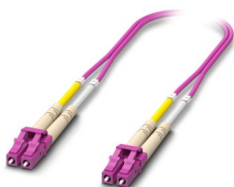


GOF universal cable, 24-wire, loose tube cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

FOC-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-FDX20-PP-LCQ6-MM - Distributor



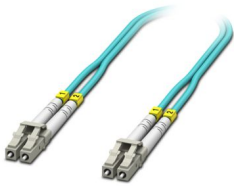
1019705

<https://www.phoenixcontact.com/us/products/1019705>

FOC-LC:A-LC:A-GZ02/... - FO patch cable

1405689

<https://www.phoenixcontact.com/us/products/1405689>

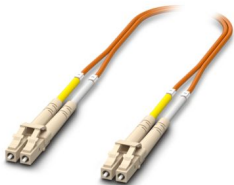


Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM3, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-LC:A-LC:A-GZ01/... - FO patch cable

1405688

<https://www.phoenixcontact.com/us/products/1405688>



Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-FDX20-PP-LCQ6-MM - Distributor



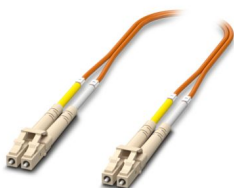
1019705

<https://www.phoenixcontact.com/us/products/1019705>

FOC-LC:A-LC:A-GZ04/... - FO patch cable

1413788

<https://www.phoenixcontact.com/us/products/1413788>



Assembled FO cable, zip cord cable, multi-mode fiberglass 62.5/125 μm , OM1, connector: LC duplex/LC duplex, 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

FOC-FDX20-PP-LCQ6-MM - Distributor

1019705

<https://www.phoenixcontact.com/us/products/1019705>



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

FOC-FDX20-PP-LCQ6-MM - Distributor



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<https://www.phoenixcontact.com/us/products/1019705>

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



FOC-FDX20-PP-LCQ6-MM - Distributor

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

1212552

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

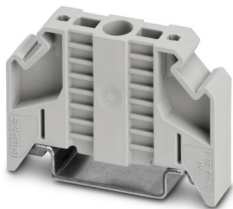


Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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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