

FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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.



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 SC duplex 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 SC duplex coupling, 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
- 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	1019686
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNGAB
Catalog page	Page 381 (C-2-2019)
GTIN	4055626701127
Weight per piece (including packing)	731.6 g
Weight per piece (excluding packing)	577 g
Customs tariff number	85367000
Country of origin	DE

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	SC-Duplex
No. of cable outlets	2
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

Transmission medium

FO

Connection data

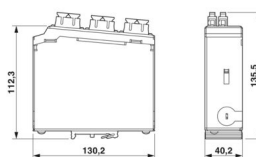
Connection technology

Connection method

Splicing

Dimensions

Dimensional drawing



Width

40 mm

Height

130 mm

Depth

115 mm

Housing

Housing width

40 mm

Mechanical characteristics

Ferrule diameter

2.50 mm

Material specifications

Color

gray

Flammability rating according to UL 94

V0

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

FOC-FDX20-PP-SCD6-MM - Distributor

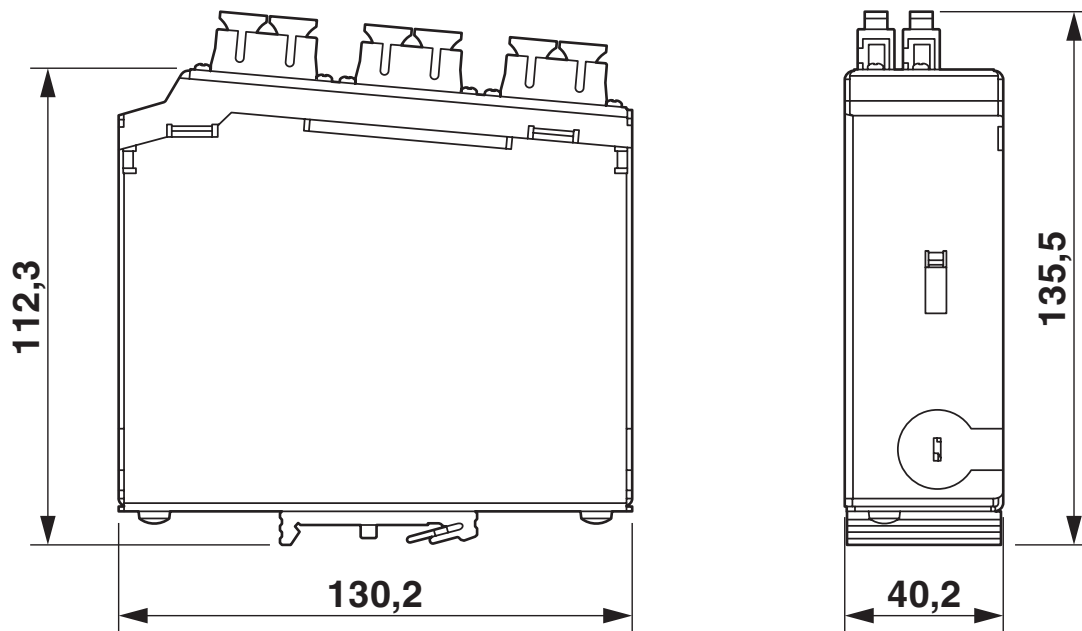
1019686

<https://www.phoenixcontact.com/us/products/1019686>



Drawings

Dimensional drawing



DIN rail distributor 6x SC duplex



1019686
<https://www.phoenixcontact.com/us/products/1019686>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002699
----------	----------

UNSPSC

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

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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-SCD6-MM - Distributor



1019686

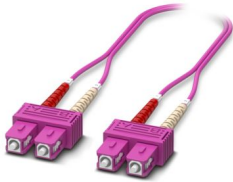
<https://www.phoenixcontact.com/us/products/1019686>

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

1115424

<https://www.phoenixcontact.com/us/products/1115424>

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

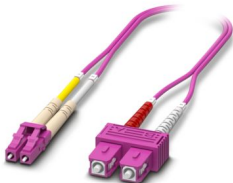


FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

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

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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

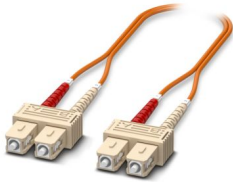
<https://www.phoenixcontact.com/us/products/1019686>

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

1115536

<https://www.phoenixcontact.com/us/products/1115536>

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

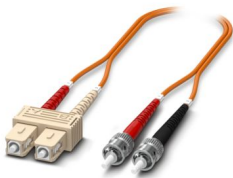


FOC-ST:PA-SC:PA-OM2:D01/1 - FO patch cable

1115574

<https://www.phoenixcontact.com/us/products/1115574>

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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

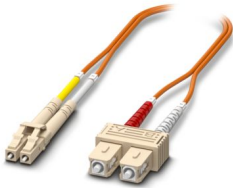
<https://www.phoenixcontact.com/us/products/1019686>

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

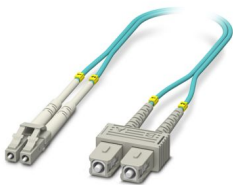


FOC-LC:PA-SC:PA-OM3:D01/1 - FO patch cable

1185480

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

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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

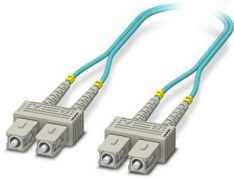
<https://www.phoenixcontact.com/us/products/1019686>

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

1185485

<https://www.phoenixcontact.com/us/products/1185485>

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

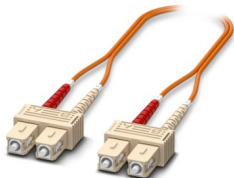


FOC-SC:PA-SC:PA-OM1:D01/1 - FO patch cable

1146504

<https://www.phoenixcontact.com/us/products/1146504>

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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

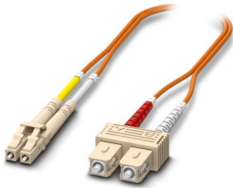
<https://www.phoenixcontact.com/us/products/1019686>

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-PT9:SC-OM1/2.5 - Fiber optic cable

1208107

<https://www.phoenixcontact.com/us/products/1208107>

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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

FOC-PT9:SC-OM2/2.5 - Fiber optic cable

1208109

<https://www.phoenixcontact.com/us/products/1208109>

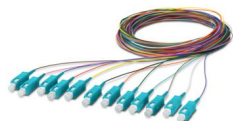


Fiber optic cable, design: SC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: SC, cable outlet: straight, color: beige

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

1208111

<https://www.phoenixcontact.com/us/products/1208111>



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

FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

1208112

<https://www.phoenixcontact.com/us/products/1208112>

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



FOC-OE-OE-GMB-U-OM4-12/... - FO cable

1286209

<https://www.phoenixcontact.com/us/products/1286209>



GOF universal cable, 12-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

1019686

<https://www.phoenixcontact.com/us/products/1019686>

FOC-OE-OE-GL-U-OM4-12/... - FO cable

1286220

<https://www.phoenixcontact.com/us/products/1286220>



GOF universal cable, 12-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-OM3-12/... - FO cable

1286221

<https://www.phoenixcontact.com/us/products/1286221>



GOF universal cable, 12-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-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

FOC-OE-OE-GL-U-OM2-12/... - FO cable

1286222

<https://www.phoenixcontact.com/us/products/1286222>



GOF universal cable, 12-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-OM1-12/... - FO cable

1286223

<https://www.phoenixcontact.com/us/products/1286223>



GOF universal cable, 12-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-SCD6-MM - Distributor



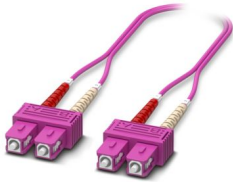
1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

1405699

<https://www.phoenixcontact.com/us/products/1405699>

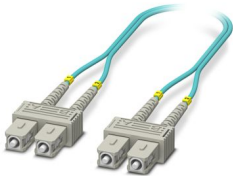


Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM4, plug: SC/SC, degree of protection: IP20, for installation in cable ducts or control cabinets

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

1405698

<https://www.phoenixcontact.com/us/products/1405698>



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

FOC-FDX20-PP-SCD6-MM - Distributor



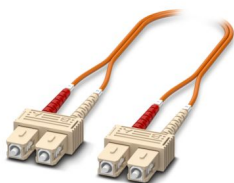
1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

1405697

<https://www.phoenixcontact.com/us/products/1405697>

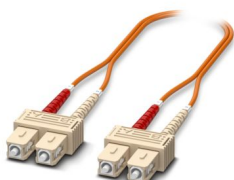


Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 μm , OM2, plug: SC duplex/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets

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

1413790

<https://www.phoenixcontact.com/us/products/1413790>



Assembled FO cable, zip cord cable, multi-mode fiberglass 62.5/125 μm , OM1, connector: SC duplex/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets

FOC-FDX20-PP-SCD6-MM - Distributor



1019686

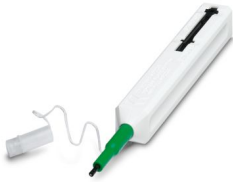
<https://www.phoenixcontact.com/us/products/1019686>

FOC-TOOL-FERRULECLEANER-2.50 - FO accessories

1407029

<https://www.phoenixcontact.com/us/products/1407029>

2.50 mm ferrule cleaner, for ST, SC, FC, E2000 (also APC), approx. 500 cleaning cycles



FOC-TOOL-STICKCLEANER-2.50 - FO accessories

1407002

<https://www.phoenixcontact.com/us/products/1407002>

Stick cleaner for couplings and plug end faces, 2.50 mm (ST, SC), Pcs. / Pkt.: 10



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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: lightgrey RAL 7035, with O-ring



WP-CN PA M20 - Counter nut

3241134

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

Counter nut, for threads M20, color: gray



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

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

FOC-FDX20-PP-SCD6-MM - Distributor



1019686

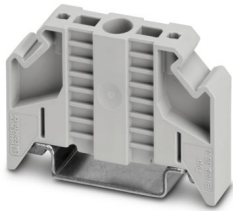
<https://www.phoenixcontact.com/us/products/1019686>

E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



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



FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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.



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-grey RAL 7001

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

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

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

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

1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

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

FOC-FDX20-PP-SCD6-MM - Distributor



1019686

<https://www.phoenixcontact.com/us/products/1019686>

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

Phoenix Contact 2024 © - 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