

# CBC-PRC 3-FC-FS6 8-21 HR 800V - Coupler connector



1441143

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Coupler connector, Range of articles: ArcZero, color: black, number of positions: 3, min. conductor cross section: 2.5 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, rated voltage: 800 VDC, rated current: 20 A, Connection method: Screw connection, Contact connection type: Socket, min. cable diameter: 8 mm, max. cable diameter: 21 mm. Maximum load when disconnecting: 16 kW. DC microgrids

## Your advantages

- Safe connection and disconnection under load
- Fast disconnection of flying leads
- Time-saving maintenance or replacement of connected devices
- Robust outdoor design even for extreme conditions
- Particularly durable and economical

## Commercial data

Item number	1441143
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLFBA
GTIN	4063151821975
Weight per piece (including packing)	146.2 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	Maximum load when disconnecting: 16 kW
General	Maximum load when connecting: 2 kW
General	Observe the specifications of the packing slip.
General	Fit the protective cap when not plugged in.
General	The release lever for manual release can be found in the accessories section.

### Product properties

Product type	Installation connector
Product family	ArcZero
Number of positions	3
Area of application	DC microgrids

### Insulation characteristics

Protection class	II
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### Electrical properties

Nominal voltage ATD	800 VDC (III/2.00) in accordance with IEC 61984
	250 VDC Minimum system voltage
	500 VDC (III/2.00) in accordance with IEC 61535
	600 VDC (III/2.00) in accordance with UL 2238 / UL 2237
Rated current	20 A (With 2.5 mm <sup>2</sup> conductor cross section in accordance with IEC 61984)

### Dimensions

Width	37.6 mm
Height	39 mm
Length	159 mm

### Material specifications

Color	black
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### Cable/line

External cable diameter	8 mm ... 21 mm
Single wire, cross section	2.5 mm <sup>2</sup> 6 mm <sup>2</sup>
Stripping length of the individual wire	13 mm (Lay PE conductor 10 mm leading)
Halogen-free	yes

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	500 (under rated load)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Ambient temperature (operation)	-40 °C ... 105 °C
Ambient temperature (storage/transport)	-40 °C ... 105 °C
Ambient temperature (assembly)	-20 °C ... 60 °C

## Standards and regulations

Standards/specifications	IEC 61984
	IEC TS 62735-2 (400 V/13 A)

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## Classifications

### ECLASS

ECLASS-12.0	27440116
ECLASS-13.0	27440116

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