

# CBC-PRC 3-FC-MS6 8-21 400V - Connector



1437019

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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: 400 VDC, rated current: 20 A, Connection method: Screw connection, Contact connection type: Pin, min. cable diameter: 8 mm, max. cable diameter: 21 mm. Maximum load when disconnecting: 8 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	1437019
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLFBA
GTIN	4063151814120
Weight per piece (including packing)	222 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: 8 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.

### 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	400 VDC (III/2.00) in accordance with IEC 61984
	250 VDC Minimum system voltage
	400 VDC (III/2.00) in accordance with IEC 61535
	400 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	37.6 mm
Length	117 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

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## 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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