

1437019

<https://www.phoenixcontact.com/us/products/1437019>

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Connector, Range of articles: ArcZero, color: black, number of positions: 3, min. conductor cross-section: 1.5 mm², max. conductor cross-section: 6 mm², rated voltage: 400 VDC, rated current: 20 A, Connection method: Screw connection, min. cable diameter: 8 mm, max. cable diameter: 21 mm, Maximum load when disconnecting: 8 kW, scope: DC grid

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)	116 g
Weight per piece (excluding packing)	92.396 g
Customs tariff number	85366990
Country of origin	DE

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



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Technical data

Notes

Note on application	Maximum load when disconnecting: 8 kW (6.7 μ F/5 mH)
Note on application	Maximum load when connecting: 2 kW (6.7 μ F/5 mH)
Note on application	Observe the specifications of the packing slip.
Notes on safety	Fit the protective cap when not plugged in.

Product properties

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

Insulation characteristics

Protection class	II (plastic housing)
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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 ² conductor cross-section in accordance with IEC 61984)

Dimensions

Width	37.6 mm
Height	37.6 mm
Length	117 mm

Material specifications

Color (Housing)	black (RAL 9005)
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Cable/line

External cable diameter	8 mm ... 21 mm
Single wire, cross section	1.5 mm ² 6 mm ²
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

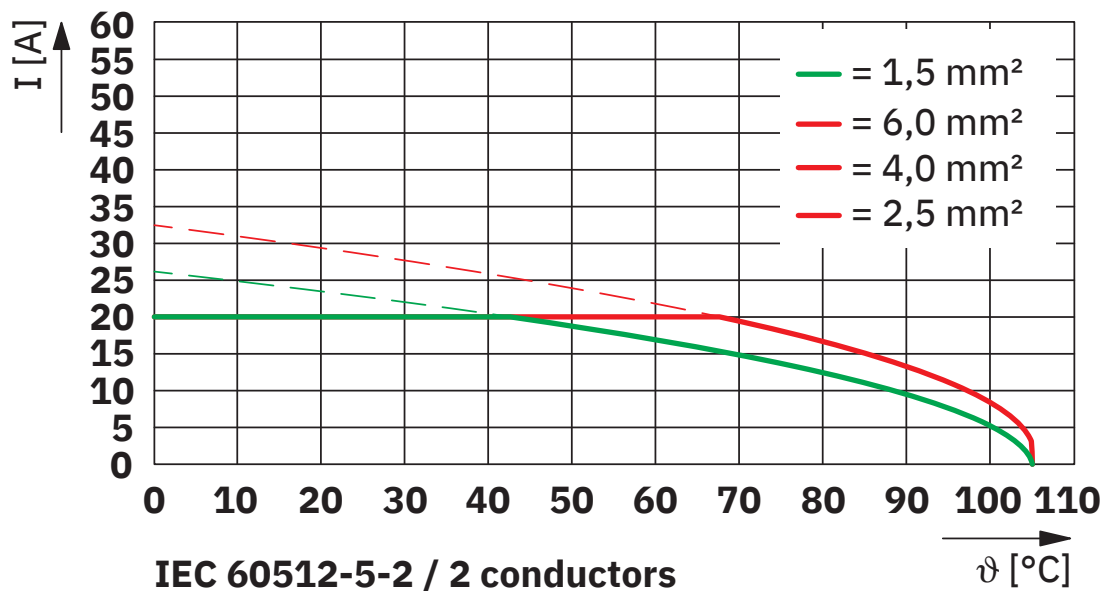
Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Ambient temperature (operation)	-40 °C ... 105 °C
Ambient temperature (storage/transport)	-40 °C ... 105 °C
Ambient temperature (assembly)	-20 °C ... 60 °C

Standards and regulations

Standards/specifications	IEC 61984
	IEC TS 62735-1

Drawings

Diagram



Derating

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Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 9.0	EC002560
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	dadf069f-53ff-4bd0-8ec9-b574c3c0bcd

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