

CBC-PRC 3-FC-FS6 8-21 HR 400V - Coupler connector

1437004
<https://www.phoenixcontact.com/gb/products/1437004>

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Coupler 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, Contact connection type: Socket, min. cable diameter: 8 mm, max. cable diameter: 21 mm, Maximum load when disconnecting: 8 kW, scope: DC-Grids

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	1437004
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABLFBA
Product key	ABLFBA
GTIN	4063151812560
Weight per piece (including packing)	141.094 g
Weight per piece (excluding packing)	141.094 g
Customs tariff number	85366990
Country of origin	DE

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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.
Order information:	The release lever for manual release can be found in the accessories section.

Product properties

Product type	Installation connector
Product family	ArcZero
Area of application	DC-Grids
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	39 mm
Length	137 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

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

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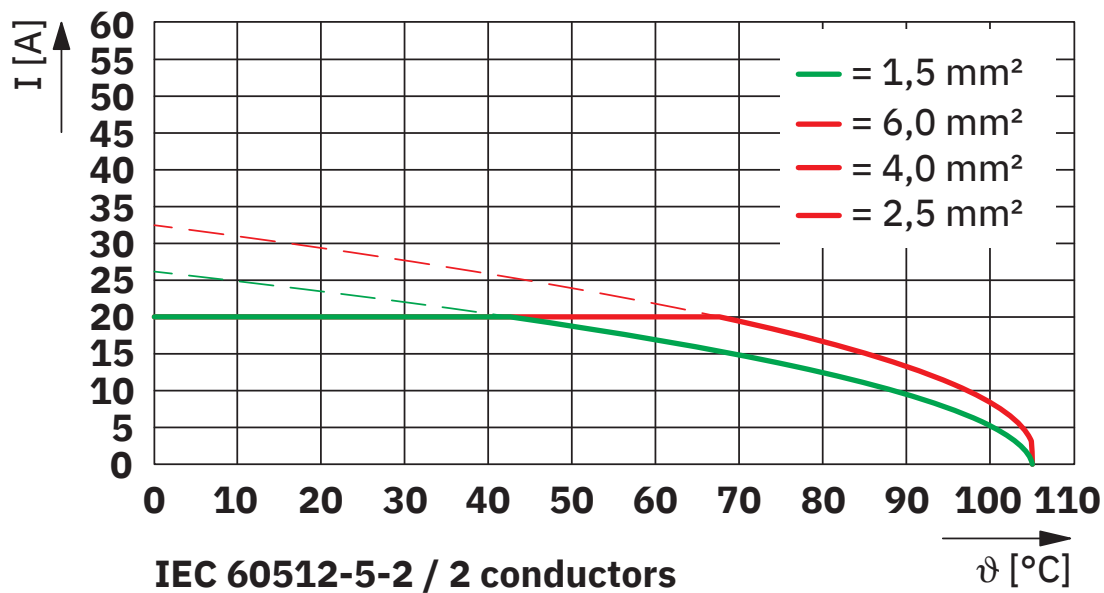


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Drawings

Diagram



Derating

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Classifications

ECLASS

ECLASS-13.0	27440605
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ETIM

ETIM 9.0	EC002560
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	Triphenyl phosphate(CAS: 115-86-6)
SCIP	3128f466-f60c-4dd8-9d2e-20be4f6de35a

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