

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

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

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.



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	AB03
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

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



1437004

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

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 grid
Number of positions	3

Insulation characteristics

Protection class	II (plastic housing)
------------------	----------------------

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)
-----------------	------------------

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)
-----------------------------	------------------------

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



1437004

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

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

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

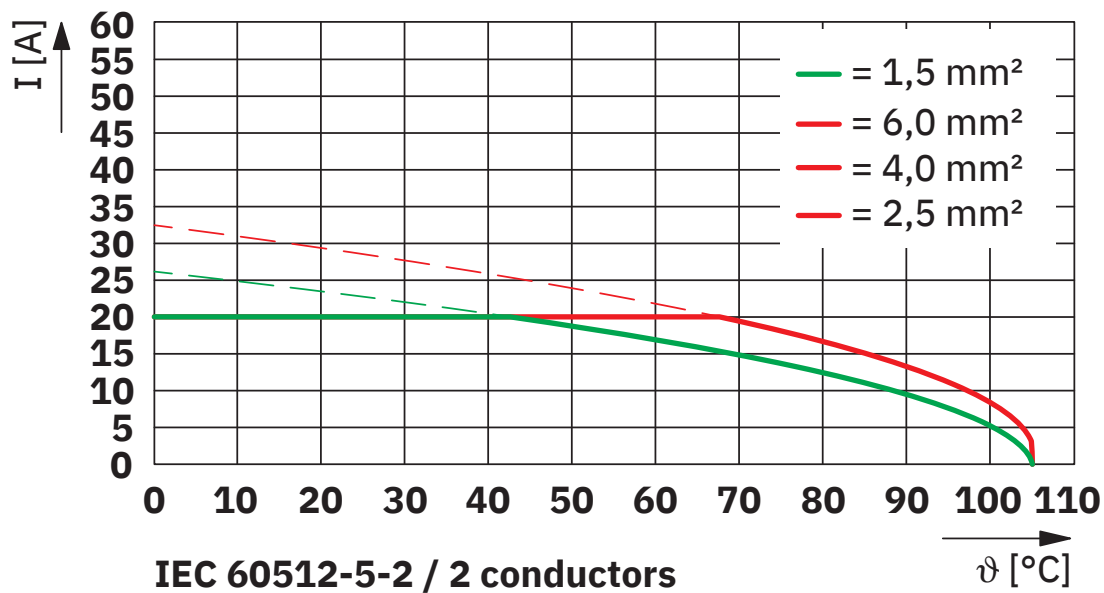


1437004

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

Drawings

Diagram



Derating

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



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

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 9.0	EC002560
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1437004

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

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable
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

Phoenix Contact 2025 © - 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