

PRC 20/2-C1-FC-MS2,5 6-14 - Connector



1313285

<https://www.phoenixcontact.com/gb/products/1313285>

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.



Connector, Range of articles: PRC 20, color: black, number of positions: 2, min. conductor cross section: 0.5 mm², max. conductor cross section: 2.5 mm², rated voltage: 400 V, rated current: 20 A, Connection method: Screw connection, Contact connection type: Pin, Setting option for release: 1. with a tool or 2. by hand, scope: AC

Your advantages

- More space on the device front with current transmission up to 20 A in a minimum amount of space
- Duo-Unlock technology for greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact resistance
- Simple handling with proven crimp or screw connection technology
- Mechanical and color coding for quick and error-free startup

Commercial data

Item number	1313285
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABLHBA
Product key	ABLHBA
GTIN	4063151569051
Weight per piece (including packing)	51.6 g
Weight per piece (excluding packing)	40.153 g
Country of origin	PL

PRC 20/2-C1-FC-MS2,5 6-14 - Connector



1313285

<https://www.phoenixcontact.com/gb/products/1313285>

Technical data

Notes

Order information:	Setting option for release: 1. with a tool or 2. by hand
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Installation connector
Product family	PRC 20
Area of application	AC
Number of positions	2
Connection profile	2
Coding	2-C1

Insulation characteristics

Protection class	II
------------------	----

Electrical properties

Nominal voltage ATD	400 V (III/2.00) in accordance with IEC 61984
	400 V AC (III/2.00) in accordance with IEC 61535
	600 V AC / DC (III/2.00) in accordance with UL 2238 / UL 2237
	500 V DC (III/2.00) in accordance with IEC 61535
Rated current	20 A (With 2.5 mm ² conductor cross section in accordance with IEC 61535)

Dimensions

Width	28.5 mm
Height	28.5 mm
Length	82.1 mm

Material specifications

Color (Housing)	black (RAL 9005)
Material Seal	EPDM (Cable seal)
	EPDM (Housing seal)
Material Housing	PPE
Material Contact carrier	PPE
Material Cable gland	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Flammability rating according to UL 94	V0

Cable/line

Single wire, cross section	0.5 mm ² 2.5 mm ²
Stripping length of the individual wire	10 mm (Lay PE conductor 8 mm leading)
Halogen-free	yes

1313285

<https://www.phoenixcontact.com/gb/products/1313285>

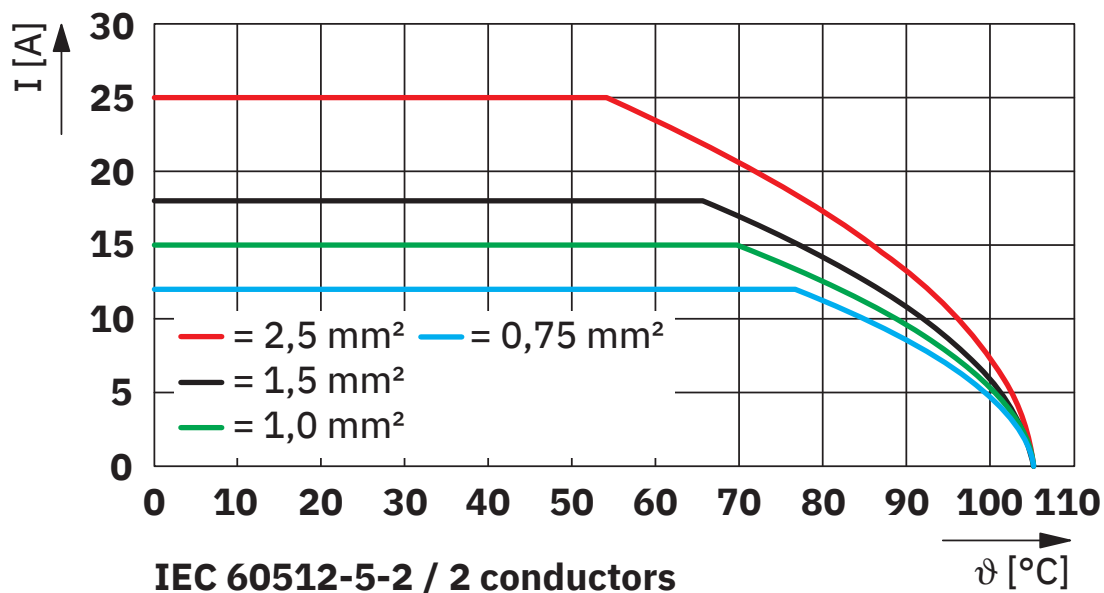
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

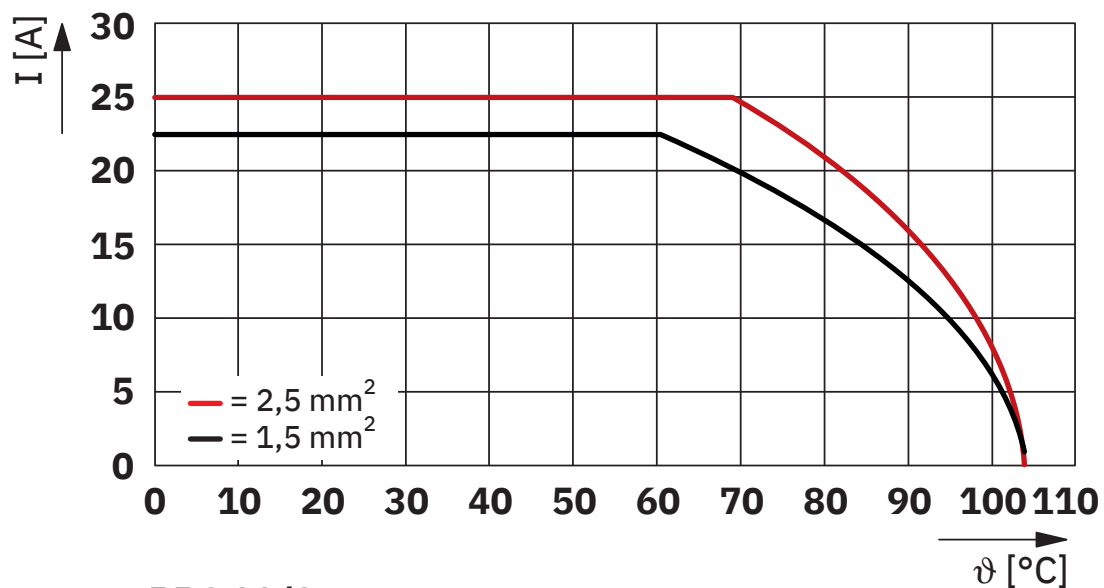
Drawings

Diagram



Derating

Diagram



PRC 20/2...
IEC 61535 / 2 conductors

Derating

PRC 20/2-C1-FC-MS2,5 6-14 - Connector



1313285

<https://www.phoenixcontact.com/gb/products/1313285>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1313285>



UL Listed

Approval ID: E221474-20240312

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	20 A	-	20 - 14



cUL Listed

Approval ID: E221474-20240312

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	20 A	20 - 14	-



VDE Zeichengenehmigung

Approval ID: 326017-TL3-1

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	20 A	-	0.5 - 2.5

PRC 20/2-C1-FC-MS2,5 6-14 - Connector



1313285

<https://www.phoenixcontact.com/gb/products/1313285>

Classifications

ECLASS

ECLASS-13.0	27440605
-------------	----------

ETIM

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

1313285

<https://www.phoenixcontact.com/gb/products/1313285>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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	4d3f99c6-3167-4c8b-99b4-d93851b3d65c

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd

Halesfield 13, Telford

Shropshire, TF7 4PG

01952 681700

info@phoenixcontact.co.uk