

PRC 20/5-C4-FT25-MS2,5 - Device connector front mounting



1309417

<https://www.phoenixcontact.com/us/products/1309417>

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Device connector front mounting, Range of articles: PRC 20, color: black, number of positions: 5, 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: DC

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	1309417
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHAD
GTIN	4063151560041
Weight per piece (including packing)	48.2 g
Weight per piece (excluding packing)	46.3 g
Customs tariff number	85366990
Country of origin	PL

PRC 20/5-C4-FT25-MS2,5 - Device connector front mounting



1309417

<https://www.phoenixcontact.com/us/products/1309417>

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	Panel feed-through
Product family	PRC 20
Area of application	DC
Number of positions	5
Connection profile	4+PE
Coding	5-C4

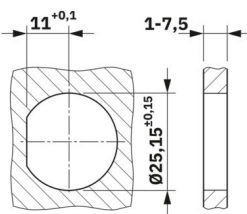
Data management status

Article revision	03
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Insulation characteristics

Protection class	II
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Dimensions

Dimensional drawing	
Width	34 mm
Height	38.4 mm
Length	53.7 mm

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)

Material specifications

Color	black
Material	PPE (Housing)
	PPE

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1309417

<https://www.phoenixcontact.com/us/products/1309417>

	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

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

PRC 20/5-C4-FT25-MS2,5 - Device connector front mounting

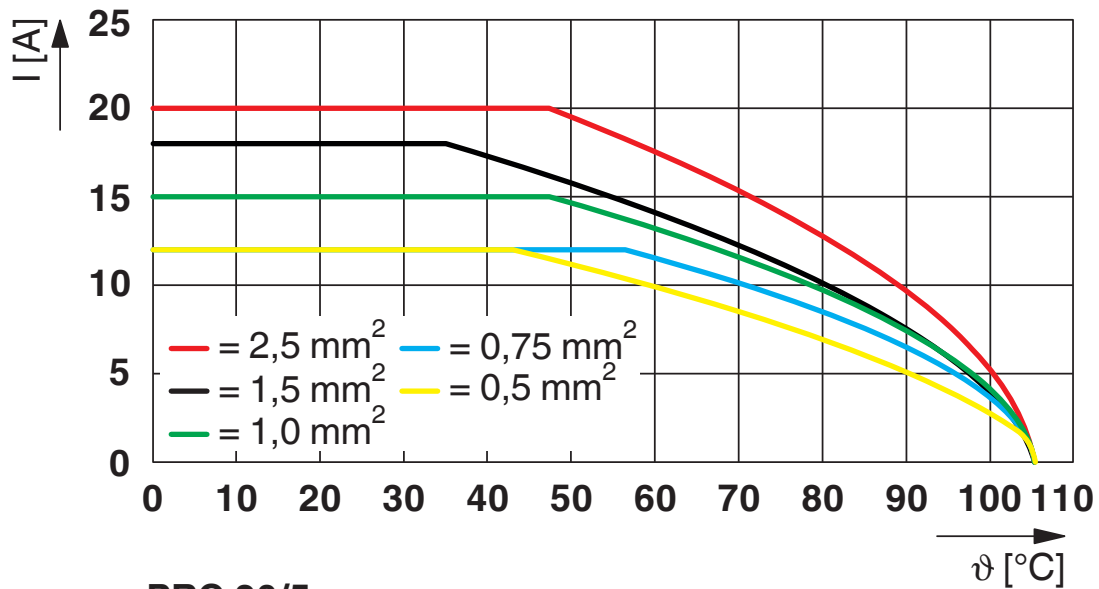


1309417

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Drawings

Diagram



PRC 20/5...
IEC 60512-5-2 / 4 conductors

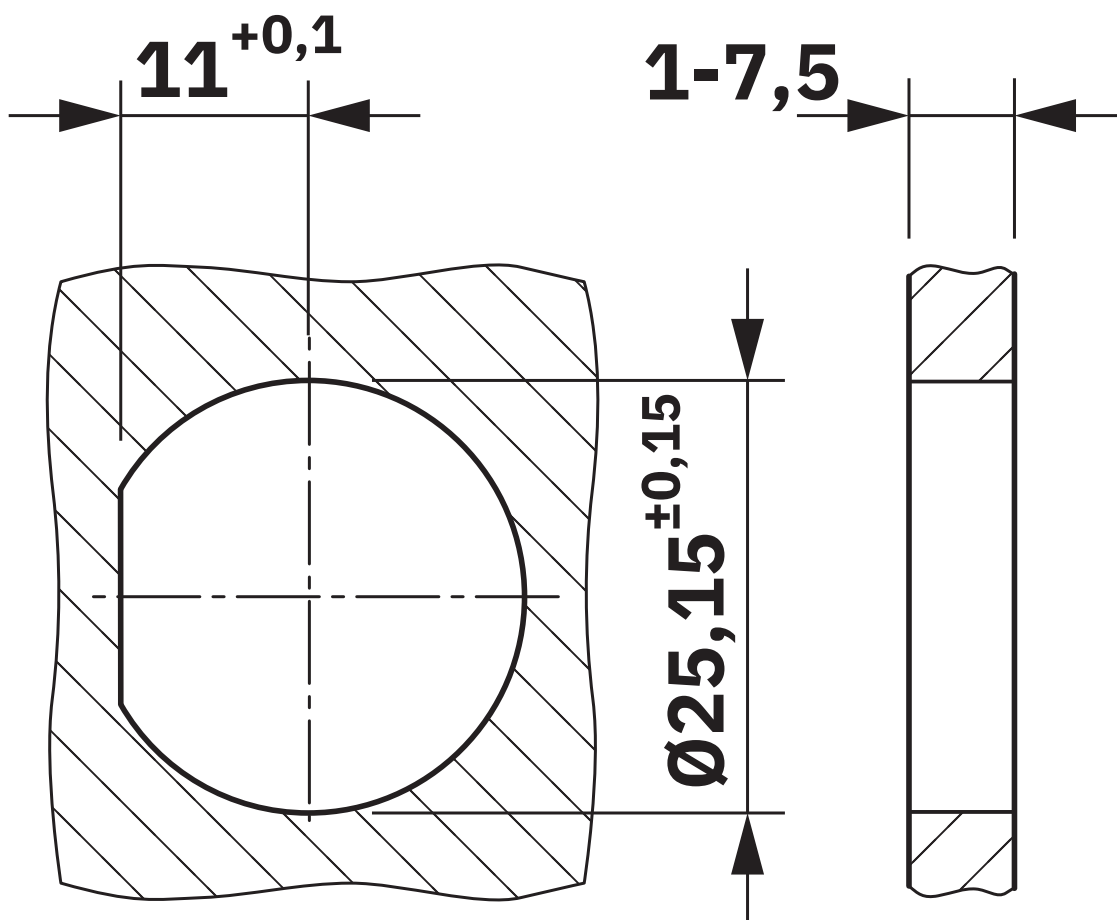
Derating

PRC 20/5-C4-FT25-MS2,5 - Device connector front mounting

1309417

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Dimensional drawing



PRC 20/5-C4-FT25-MS2,5 - Device connector front mounting





1309417

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1309417>

 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	-

cULus Listed				
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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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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.)	No substance above 0.1 wt%
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