

PRC 20/3-C3-FT25-FS2,5 - Device connector front mounting

1313309
<https://www.phoenixcontact.com/gb/products/1313309>

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Device connector front mounting, Range of articles: PRC 20, color: black, number of positions: 3, 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: Socket, Setting option for release: 1. with a tool or 2. by hand, scope: SIGNAL

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	1313309
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABLHAD
Product key	ABLHAD
GTIN	4063151569075
Weight per piece (including packing)	38.3 g
Weight per piece (excluding packing)	26.163 g
Country of origin	PL

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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

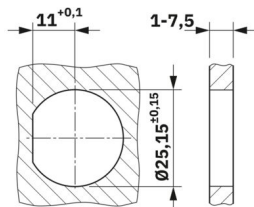
Product properties

Product type	Panel feed-through
Product family	PRC 20
Area of application	SIGNAL
Number of positions	3
Connection profile	3
Coding	3-C3

Insulation characteristics

Protection class	II
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Dimensions

Dimensional drawing	
Width	34 mm
Height	38.4 mm
Length	52 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)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500
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Material specifications

Color (Housing)	black (RAL 9005)
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Material Housing	PPE
Material Contact carrier	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
Halogen-free	yes

Mounting

Thread type	M25 x 1,5 ()
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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 ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Standards and regulations

Standards/specifications	IEC 61984:2008
	IEC 61535:2023
	UL 2238
	UL 2237

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Drawings

Dimensional drawing



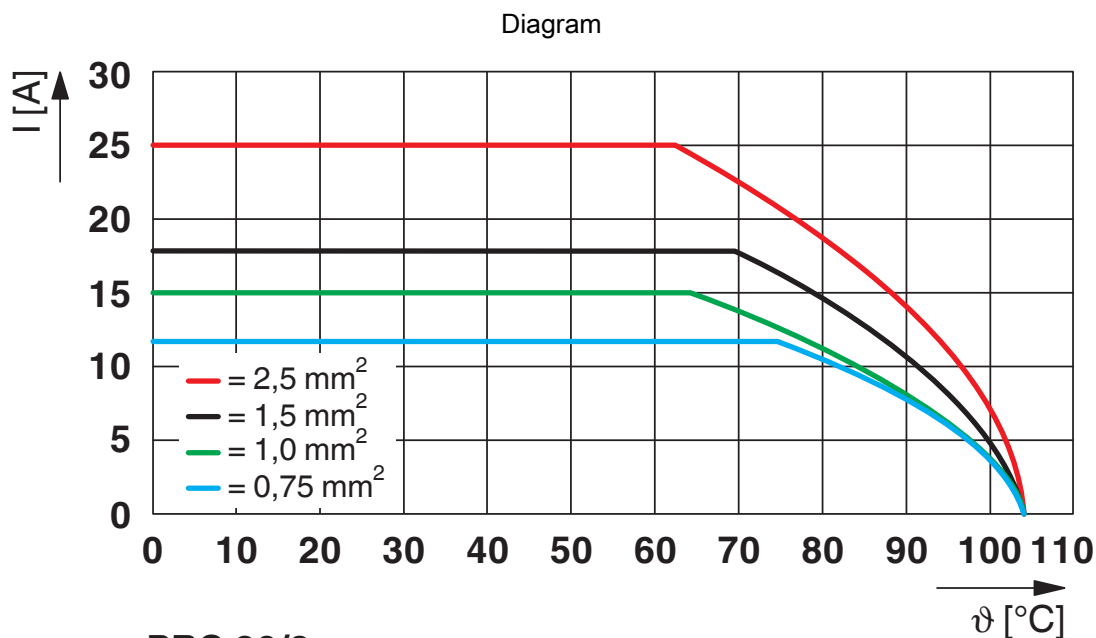
Drilling diagram

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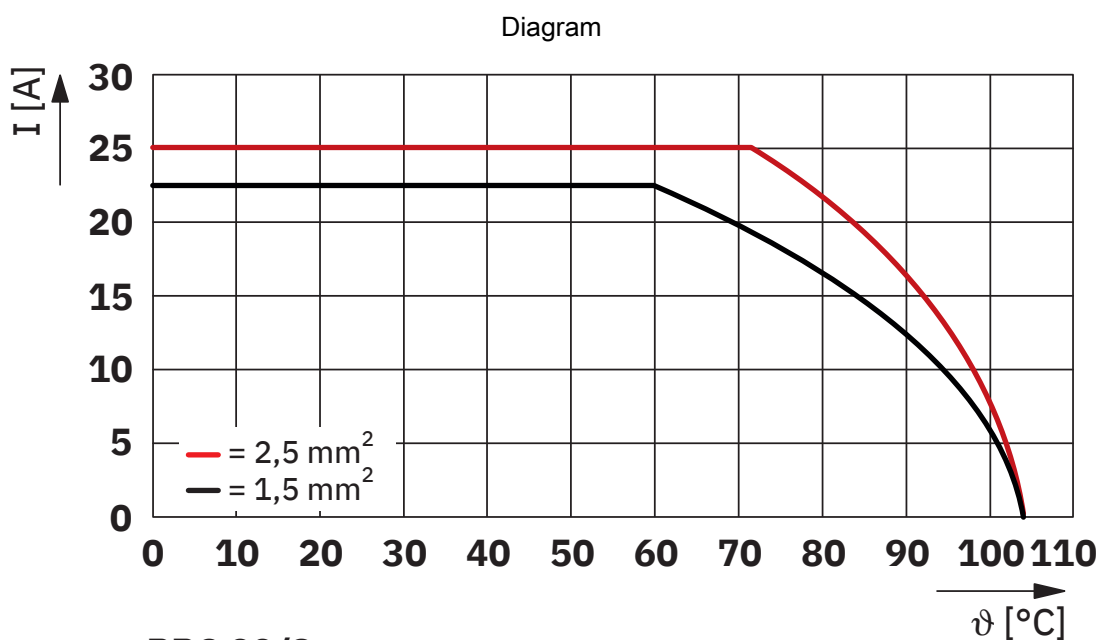


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Derating



Derating

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1313309>

	 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

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Classifications

ECLASS

ECLASS-13.0	27440602
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ETIM

ETIM 9.0	EC002566
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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	673aaded-95c7-4cb5-92b6-cce67d46de9a

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