PRC 20/3-C3-FT25-MS2,5 - Device connector front mounting

1313306

https://www.phoenixcontact.com/us/products/1313306

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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 mm^2, max. conductor cross-section: 2.5 mm^2, rated voltage: 400 V, rated current: 20 A, Connection method: Screw connection, 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	1313306
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHAD
GTIN	4063151568559
Weight per piece (including packing)	40.32 g
Weight per piece (excluding packing)	28.431 g
Customs tariff number	85366990
Country of origin	PL

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

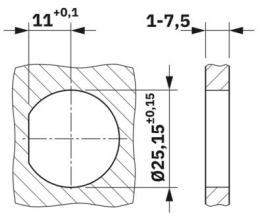
Protection class	II

Connection data

Connection technology

Connection method	Screw connection

Dimensions

Dimensional drawing	
Width	34 mm
Height	38.4 mm
Length	53.7 mm

Electrical properties

Rated voltage	400 V (III/2) in accordance with IEC 61984
	400 V AC (III/2) in accordance with IEC 61535
	600 V AC / DC (III/2) in accordance with UL 2238 / UL 2237
	500 V DC (III/2) in accordance with IEC 61535
Rated current	20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61535)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500

Material specifications

Color (Housing)	black (RAL 9005)
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 mm² 2.5 mm²
Halogen-free	yes

Mounting

Thread type	M25 x 1,5 ()

Environmental and real-life conditions

Ambient conditions

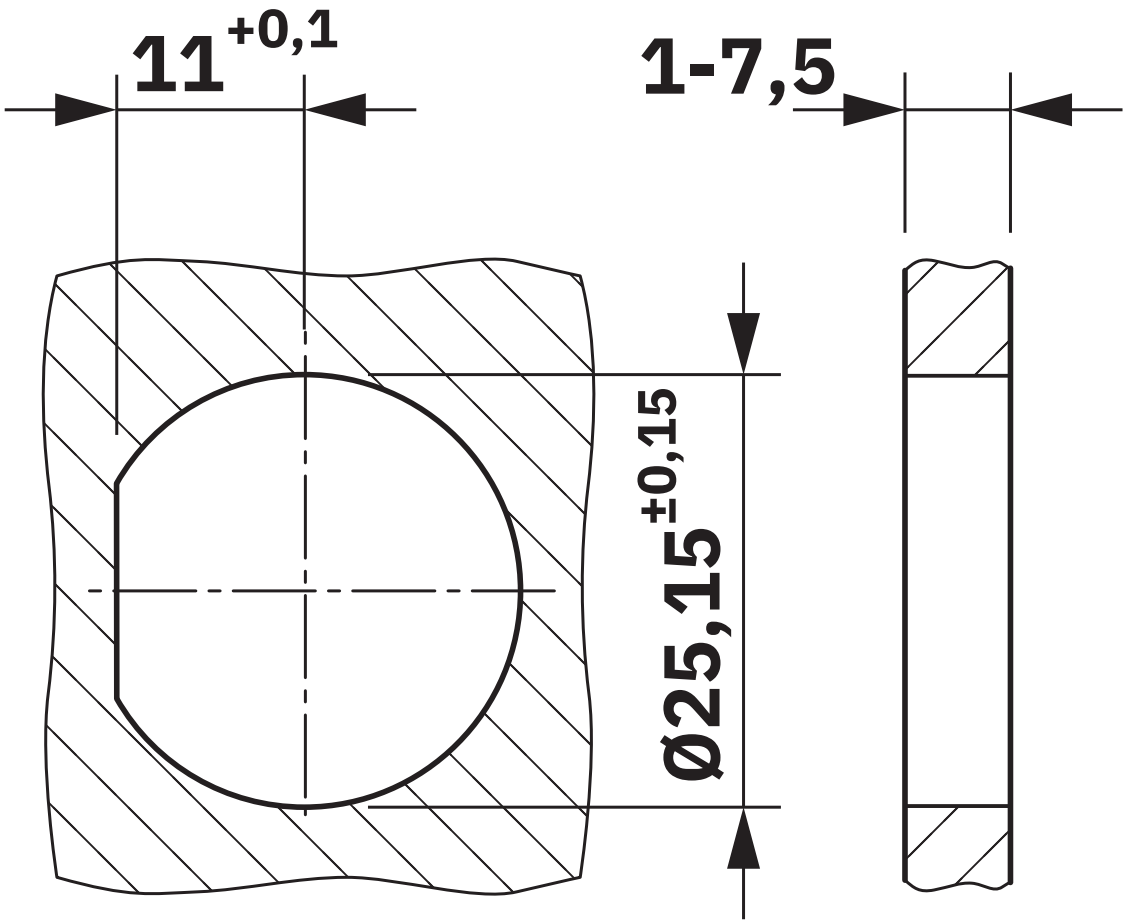
Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Standards and regulations

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

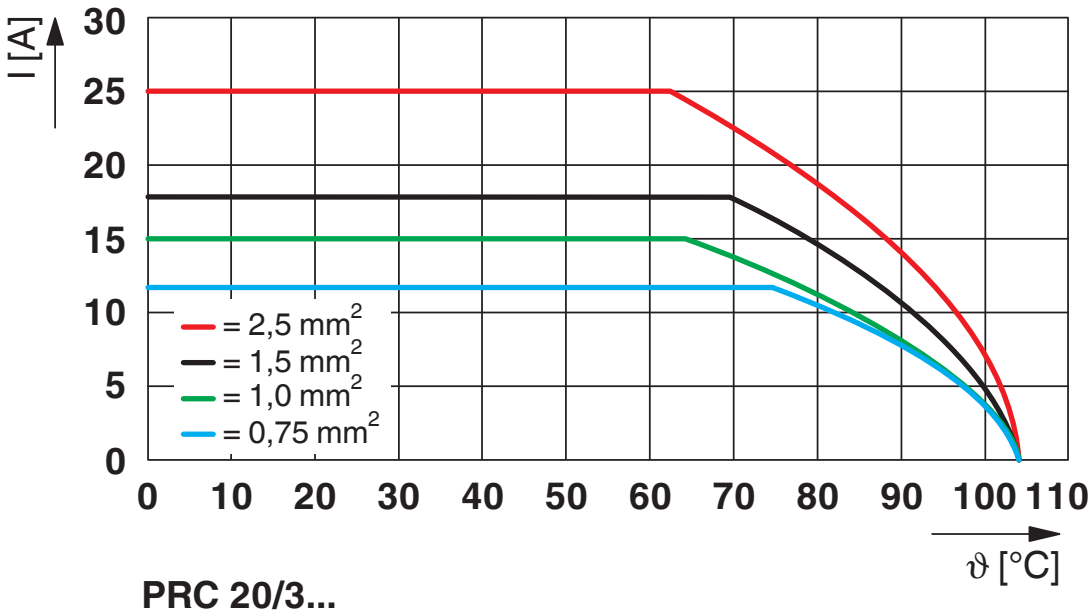
Drawings

Dimensional drawing



Drilling diagram

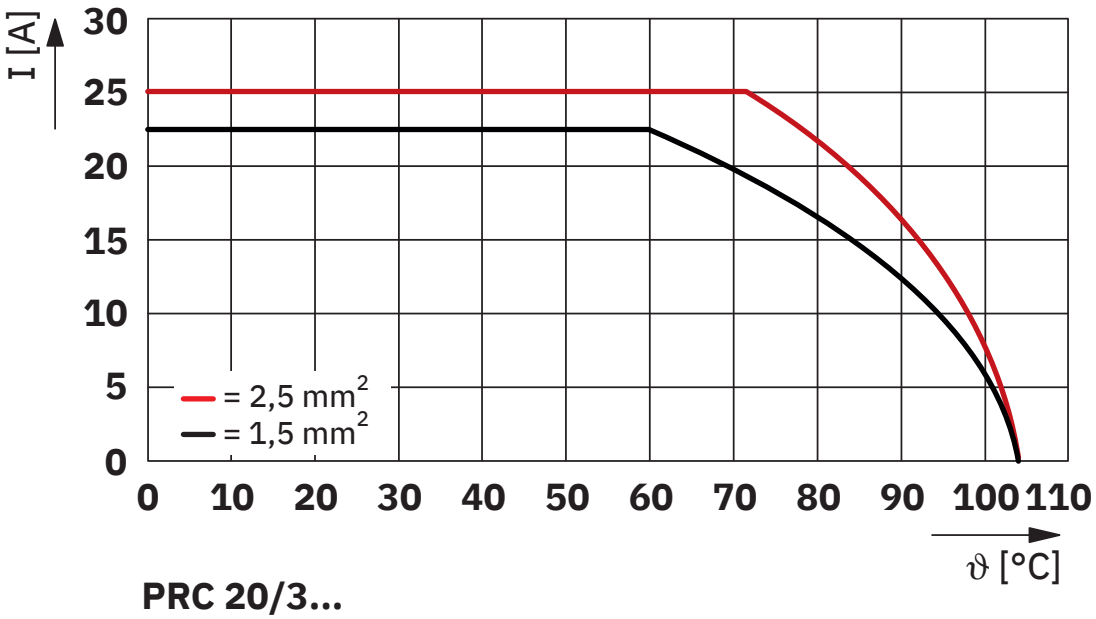
Diagram



PRC 20/3...
IEC 60512-5-2 / 2 conductors

Derating

Diagram



PRC 20/3...
IEC 61535 / 2 conductors

Derating

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1313306

UL Listed
Approval ID: E221474-20240312

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

cUL Listed
Approval ID: E221474-20240312

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

VDE Zeichengenehmigung
Approval ID: 334664-TL3-1

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

Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 10.0	EC002566

UNSPSC

UNSPSC 21.0	39121400

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)

EF3.1 Climate Change

CO2e kg	0.608 kg CO2e

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com