PRC 20/4-C2-FT25-MS2,5 - Device connector front mounting

1308635

https://www.phoenixcontact.com/us/products/1308635

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Device connector front mounting, Range of articles: PRC 20, color: black, number of positions: 4, 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, Contact connection type: Pin, 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	1308635
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHAD
GTIN	4063151559465
Weight per piece (including packing)	44 g
Weight per piece (excluding packing)	32.373 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

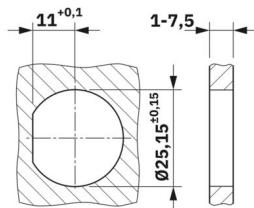|	
Order information:	Setting option for release: 1. with a tool or 2. by hand
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Panel feed-through
Product family	PRC 20
Area of application	SIGNAL
Number of positions	4
Connection profile	4
Coding	4-C2

Insulation characteristics	
Protection class	II

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 mm² conductor cross section in accordance with IEC 61535)

Material specifications

Color (Housing)	black (RAL 9005)
Material Housing	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Flammability rating according to UL 94	V0

Cable/line

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Single wire, cross section	0.5 mm² 2.5 mm²
Stripping length of the individual wire	10 mm (Lay PE conductor 8 mm leading)
Halogen-free	yes

Environmental and real-life conditions

Ambient conditions

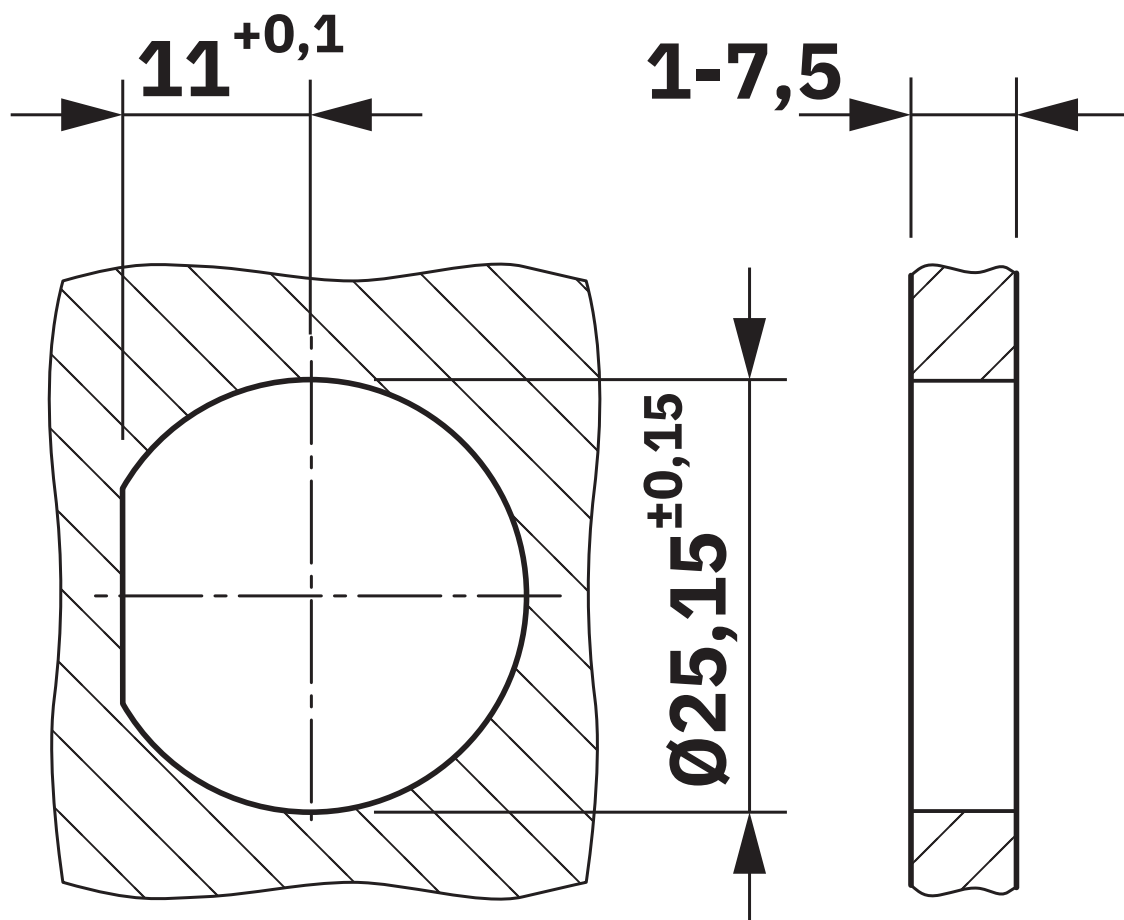|	
Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Drawings

Dimensional drawing

$11^{+0,1}$

$1\text{-}7,5$

$\varnothing 25{,}15^{\pm0,15}$

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Diagram

I [A] vs ϑ [°C]

Legend:
- = 2,5 mm²
- = 1,5 mm²
- = 1,0 mm²
- = 0,75 mm²
- = 0,5 mm²

IEC 60512-5-2 / 3 conductors

Derating

Diagram

I [A] vs ϑ [°C]

Legend:
- = 2,5 mm²
- = 1,5 mm²
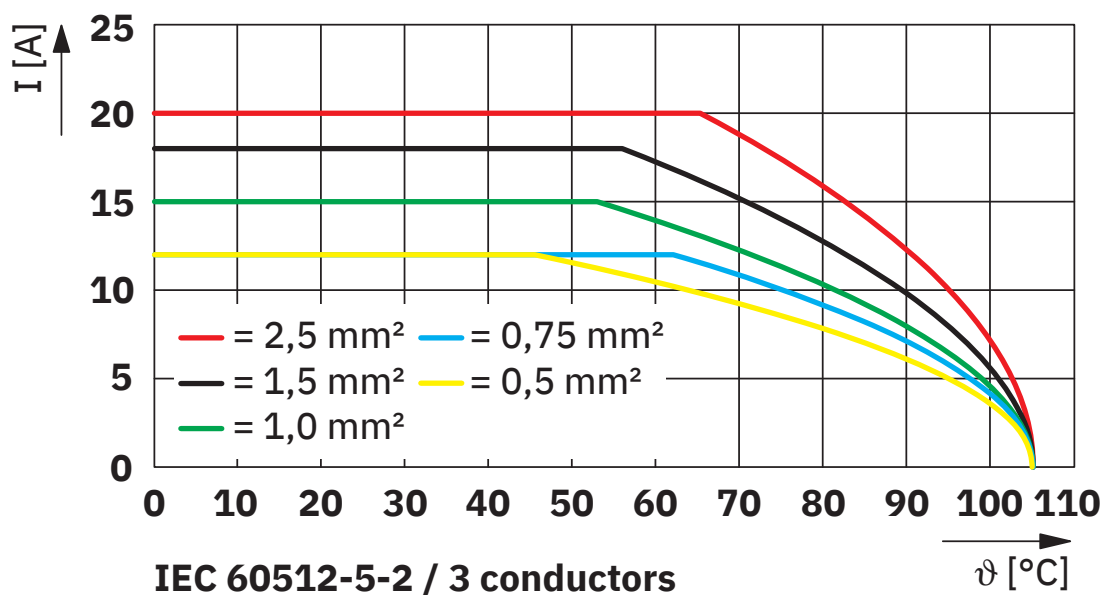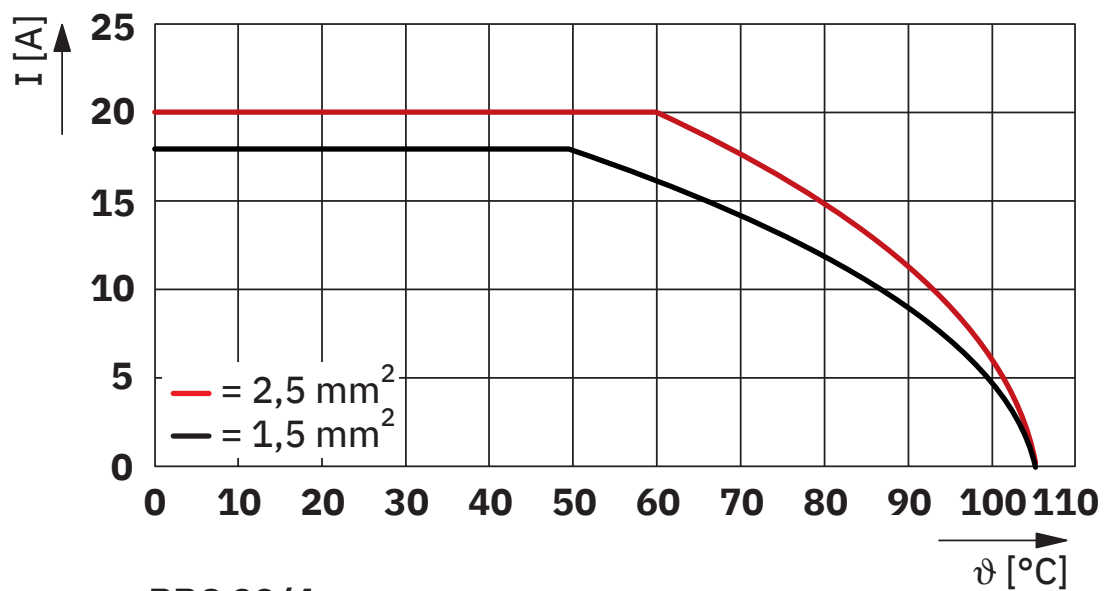
PRC 20/4...
IEC 61535 / 3 conductors

Derating

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1308635

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

ETIM

ETIM 9.0	EC002566

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	c5ffbb40-9ea2-4a75-b039-833549996afe