PRC 20/5-C1-BD-Y - Distribution block

1526196

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Distribution block, Range of articles: PRC 20, design: Y distributor, color: black, number of positions: 5, rated voltage: 400 V, rated current: 20 A, Setting option for release: 1. with a tool or 2. by hand, scope: AC

Your advantages

- Less wiring effort on the construction site thanks to plug-and-play
- Fewer wiring errors due to 100% check during production
- Plug and forget thanks to the use of tried-and-tested materials
- Manual or tool locking – you decide on site in no time
- Designed for extreme ambient conditions

Commercial data

Item number	1526196
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	A16
Product key	ABLHCA
GTIN	4063151995454
Weight per piece (including packing)	189.3 g
Weight per piece (excluding packing)	162.2 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	Power distributor
Product family	PRC 20
Area of application	AC
Type	Y distributor
Number of positions	5
Connection profile	4+PE
Coding	5-C1

Insulation characteristics

Protection class	II (double or reinforced insulation)

Dimensions

Width	77.3 mm
Height	36.5 mm
Length	115.5 mm

Electrical properties

Rated voltage	400 V (III/2) in accordance with IEC 61984
	500 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 61984)
	20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61535)
	20 A (With 2.5 mm²/AWG 14, in accordance with UL 2238)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500 (Test specification: IEC 60512-13-2)

Material specifications

Color (Housing)	black (RAL 9005)
Material Contact carrier	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Material Housing	PPE
Material Seal	EPDM (Housing seal)

Material Pin connector pattern	EPDM

Cable/line

Halogen-free	yes (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1)

Environmental and real-life conditions

Ambient conditions

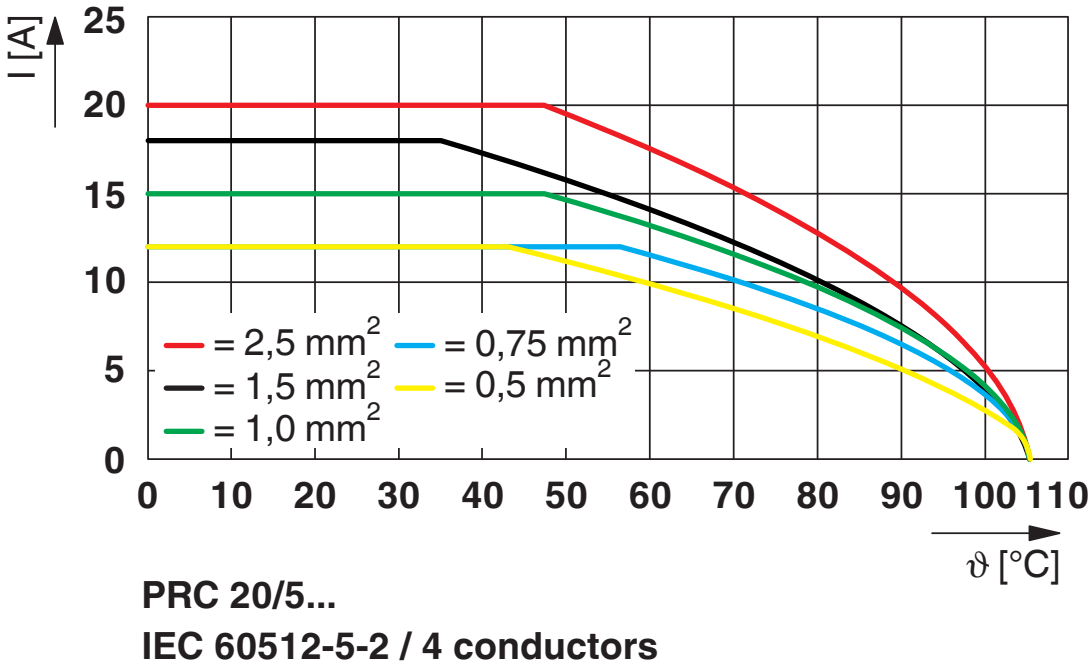
Degree of protection (when plugged in)	IP68 (2 m / 2 h)
	IP68 (2 m / 2 h)
Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Ambient temperature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

Standards and regulations

Standards/specifications	IEC 61984:2008
	IEC 61535:2019
	UL 2238
	UL 2237

Drawings

Diagram



Derating

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1526196

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

UL Listed
Approval ID: E221474-20240312

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	18 A	-	-

cUL Listed
Approval ID: E221474-20240312

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	18 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440603
ECLASS-15.0	27440603

ETIM

ETIM 10.0	EC002567

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)
SCIP	cc074d2f-b59b-4319-9ce7-6629cbeb861d

EF3.1 Climate Change

CO2e kg	5.313 kg CO2e

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