

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



1526196

<https://www.phoenixcontact.com/us/products/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)
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### Dimensions

Width	77.3 mm
Height	36.5 mm
Length	115.5 mm

### Electrical properties

Nominal voltage ATD	400 V (III/2.00) in accordance with IEC 61984
	500 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 <sup>2</sup> conductor cross-section in accordance with IEC 61984)
	20 A (With 2.5 mm <sup>2</sup> conductor cross-section in accordance with IEC 61535)
	20 A (With 2.5 mm <sup>2</sup> /AWG 14, in accordance with UL 2238)

### Mechanical properties

#### Mechanical data

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

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Material Pin connector pattern	EPDM
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## Cable/line

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

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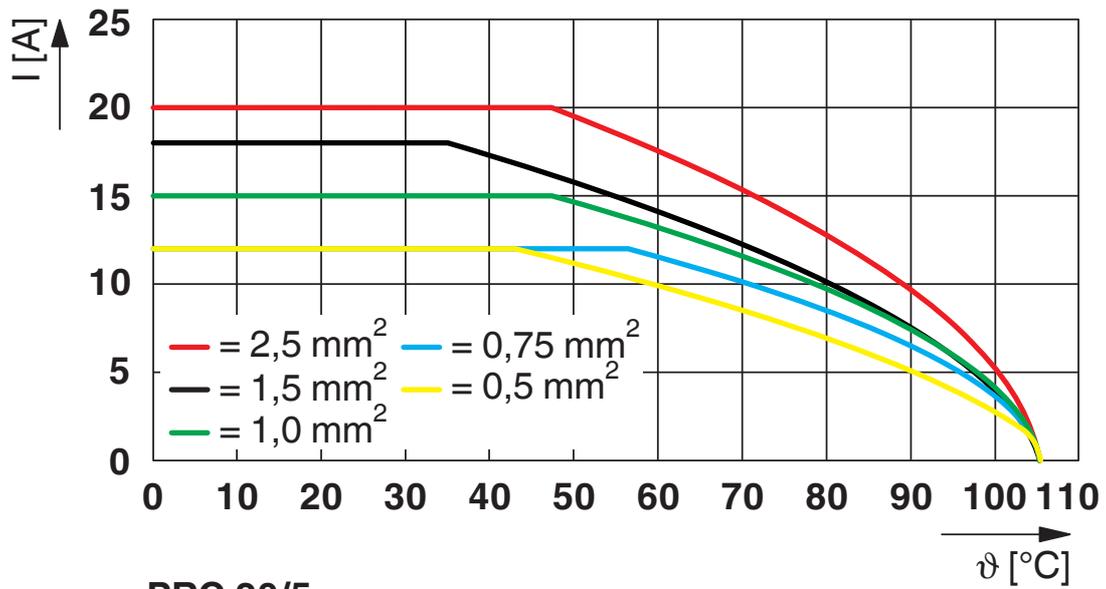


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## Drawings

Diagram



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

Derating

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## Approvals

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

 <b>VDE Zeichengenehmigung</b> Approval ID: 330887-TL3-1				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	500 V	20 A	-	0.5 - 2.5

 <b>UL Listed</b> Approval ID: E221474-20240312				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	18 A	-	-

 <b>cUL Listed</b> Approval ID: E221474-20240312				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	18 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440603
ECLASS-15.0	27440603

### ETIM

ETIM 9.0	EC002567
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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	cc074d2f-b59b-4319-9ce7-6629cbeb861d

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