

# CAPAROC CR 20 - Busbar



1110989

<https://www.phoenixcontact.com/gb/products/1110989>

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Busbar for CAPAROC system with 20 slots. For installation on a DIN rail.



## Your advantages

- The benchmark that you can customize with lengths that can be adapted to your requirements
- Particularly easy operation for everyone with the simple Plug and Play design
- Exceptionally easy design-in with universal busbars up to 45 A

## Commercial data

Item number	1110989
Packing unit	3 pc
Minimum order quantity	3 pc
Sales key	CLA23Z
Product key	CLA23Z
GTIN	4063151024697
Weight per piece (including packing)	57.433 g
Weight per piece (excluding packing)	49.39 g
Customs tariff number	85366990
Country of origin	DE

## Technical data

### Notes

#### General

Note	LABS release – in accordance with test specification VW PV 3. 10.7:2005-0
	When using CAPAROC E1... modules, for continuous shock in accordance with IEC 60068-2-27 the 6 ms / 15g degree of severity applies

### Product properties

Product type	Device circuit breakers
Product family	CAPAROC
Type	Plug-in module
Number of slots	20

#### Insulation characteristics

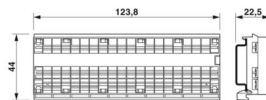
Protection class	III
Pollution degree	2

### Electrical properties

#### General

Rated voltage	24 V DC
Rated current $I_N$	45 A (Total current input)
Power dissipation	< 1.2 W (At 45 A in the plus path)

### Dimensions

Dimensional drawing	
Width	123.8 mm
Height	44 mm
Depth	22.5 mm (incl. DIN rail 7.5 mm)

### Material specifications

Color	light gray (RAL 7035)
Material	Copper
	PC
Flammability rating according to UL 94	V-0

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
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Ambient temperature (operation)	-30 °C ... 65 °C (The temperature range of the power module must be taken into consideration)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 4000 m (amsl)
Humidity test	96 h, 95 % RH, 40 °C
Shock (operation)	30g (11 ms period, half-sine shock pulse, according to IEC 60068-2-27)
	25g (6 ms duration, half-sine shock pulse in accordance with IEC 60068-2-27, continuous shock)
	15g (6 ms duration, half-sine shock pulse in accordance with IEC 60068-2-27, continuous shock. If more than six CAPAROC E1 modules are used in the system.)
Vibration (operation)	5g (10 Hz ... 150 Hz / 10 cycles / axis / X, Y, Z)

## Approvals

### UL approval

Identification	UL/C-UL Listed UL 508
	UL 121201 Class I, Division 2, Groups A, B, C, D, T4A

### Corrosive gas test

Identification	ISA S71.04.2013 G3 Harsh Group A
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## Standards and regulations

Standards/specifications	EN 61000-6-2
Note	EMC – Immunity for industrial areas
Standards/specifications	EN 61000-6-3
Note	EMC – Emission for residential, business and commercial properties and small operations
Standards/specifications	EN 60068-2-78
Note	Environmental influences – Moisture and heat, constant
Standards/specifications	EN 50178
Note	Equipping power installations with electronic equipment
Standards/specifications	EN 60068-2-6
Note	Environmental influences – Vibrations (sinusoidal)
Standards/specifications	EN 60068-2-27
Note	Environmental influences – Shocks

## Mounting

Mounting type	DIN rail: 35 mm
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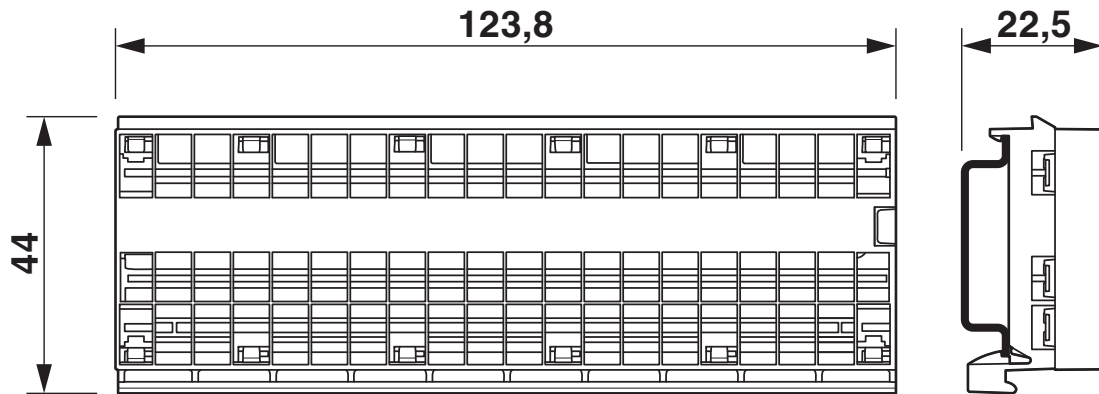
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## Drawings

Dimensional drawing



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## Approvals

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**UL Listed**

Approval ID: E123528



**cUL Listed**

Approval ID: E123528



**cUL Listed**

Approval ID: FILE E 483407



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## Classifications

### ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

### ETIM

ETIM 10.0	EC003538
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### UNSPSC

UNSPSC 21.0	39121400
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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.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	0.178 kg CO2e
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PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)