CAPAROC CR 20 - Busbar

1110989

https://www.phoenixcontact.com/us/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	CL11
Product key	CLA23Z
GTIN	4063151024697
Weight per piece (including packing)	58.12 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
Number of slots	20

Insulation characteristics

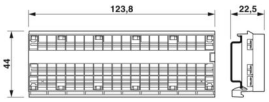
Protection class	III
Pollution degree	2

Electrical properties

General

Rated voltage	24 V DC
Rated current I_N	45 A DC (Total current input)

Dimensions

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

Material specifications

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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 ... 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

Standards and regulations

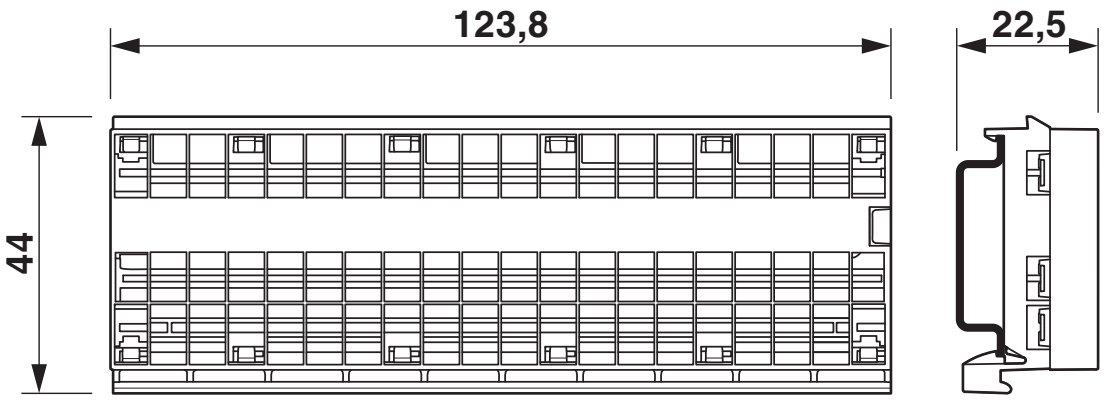
Standards/specifications	EN 61000-6-2
Note	EMC – Immunity for industrial areas
Standards/specifications	EN 61000-6-3
Note	EMC – Emission for residential, business and commercial properties and small operations
Standards/specifications	EN 60068-2-78
Note	Environmental influences – Moisture and heat, constant
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

Drawings

Dimensional drawing



Approvals

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UL Listed
Approval ID: FILE E 123528

cUL Listed
Approval ID: FILE E 123528

cUL Listed
Approval ID: FILE E 483407

UL Listed
Approval ID: FILE E 483407

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27140401
ECLASS-12.0	27140401
ECLASS-13.0	27140401

ETIM

ETIM 9.0	EC003538

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.)	No substance above 0.1 wt%

Accessories

CAPAROC PM PN - Power module

1110986

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Power module with PROFINET interface for supplying the CAPAROC circuit breaker system with 12 or 24 V DC. Additional system interface for communication with the power supply. For DIN rail installation via the CAPAROC current rails.

CAPAROC PM S-R - Power module

1115661

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Power module with status output and reset input for supplying the CAPAROC circuit breaker system with 12 or 24 V DC. For DIN rail installation via the CAPAROC current rails.

CAPAROC PM IOL - Power module

1115670

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Power module with IO-Link interface for supplying the CAPAROC circuit breaker system with 12 or 24 V DC for up to 20 channels. For DIN rail installation via the CAPAROC current rails.

CAPAROC PM EIP - Power module

1393553

https://www.phoenixcontact.com/us/products/1393553



Power module with EtherNet/IP™ interface for supplying the CAPAROC circuit breaker system with 12 V DC or 24 V DC. Additional system interface for communication with the power supply. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/1-4A - Electronic circuit breaker

1115415

https://www.phoenixcontact.com/us/products/1115415



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via LED button. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/1-10A - Electronic circuit breaker

1115649

https://www.phoenixcontact.com/us/products/1115649



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 10 A via LED button. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/1A - Electronic circuit breaker

1157288

https://www.phoenixcontact.com/us/products/1157288



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/2A - Electronic circuit breaker

1157290

https://www.phoenixcontact.com/us/products/1157290



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/4A - Electronic circuit breaker

1157285

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1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/6A - Electronic circuit breaker

1157286

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1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/8A - Electronic circuit breaker

1157279

https://www.phoenixcontact.com/us/products/1157279



1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E1 12-24DC/10A - Electronic circuit breaker

1157284

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1-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. With fixed nominal current. For DIN rail installation via the CAPAROC current rails.

CAPAROC E2 12-24DC/1-4A - Electronic circuit breaker

1115655

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2-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via step switch. For DIN rail installation via the CAPAROC current rails.

CAPAROC E2 12-24DC/2-10A - Electronic circuit breaker

1110984

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2-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 2 A to 10 A via step switch. For DIN rail installation via the CAPAROC current rails.

CAPAROC E4 12-24DC/1-4A - Electronic circuit breaker

1115657

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Four-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 4 A via LED button. For DIN rail installation via the CAPAROC current rails.

CAPAROC E4 12-24DC/1-10A - Electronic circuit breaker

1115658

https://www.phoenixcontact.com/us/products/1115658



Four-channel electronic circuit breaker module for protecting 12 and 24 V DC loads against overload and short circuit. Nominal current adjustable from 1 A to 10 A via LED button. For DIN rail installation via the CAPAROC current rails.

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CAPAROC PD 0V - Potential distributors

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Potential distributor with Push-in connections for directly connecting the 0 V return conductor in the CAPAROC system. For DIN rail installation via the CAPAROC current rails.

CAPAROC CR EXT20 - Busbar

1115674

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Extension busbar with 20 slots for the CAPAROC system. For installation on a DIN rail.



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CAPAROC CR EXT8 - Busbar

1110990

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Extension busbar with 8 slots for CAPAROC system. For installation on a DIN rail.

CAPAROC CR EXT4 - Busbar

1110991

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Extension busbar with 4 slots for the CAPAROC system. For installation on a DIN rail.

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CAPAROC CR CON - Metal part

1270955

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Metal extension rails from connecting CAPAROC initial busbars.

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