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Busbar - CAPAROC CR 20

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)	58.12 g
Weight per Piece (excluding packing)	49.39 g
Customs tariff number	85366990
Country of origin	DE

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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
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 (Busbar)
	PC (Housing)
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

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Altitude	≤ 4000 m (amsl (above mean sea level))
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)

Standards and regulations

Standards/specifications	EN 61000-6-2
Standards/specifications	EN 61000-6-3
Standards/specifications	EN 60068-2-78
Standards/specifications	EN 50178
Standards/specifications	EN 60068-2-6
Standards/specifications	EN 60068-2-27

Mounting

Mounting type	DIN rail: 35 mm

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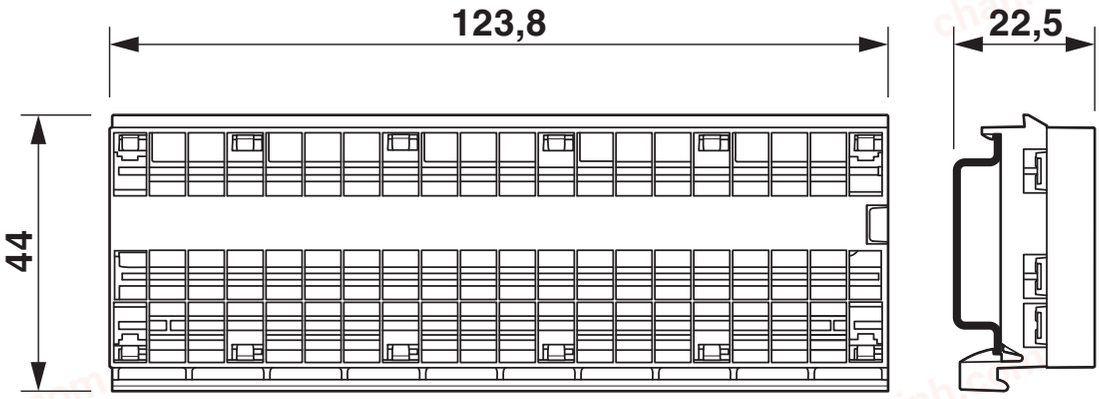
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Drawings

Dimensional drawing



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Approvals

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

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	27141116
ECLASS-10.0.1	27140401
ECLASS-11.0	27140401

ETIM

ETIM 8.0	EC003538

UNSPSC

UNSPSC 21.0	39121400

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Power module

Power module - CAPAROC PM PN - 1110986

https://www.phoenixcontact.com/gb/products/1110986



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.

Power module

Power module - CAPAROC PM S-R - 1115661

https://www.phoenixcontact.com/gb/products/1115661



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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1-4A - 1115415

https://www.phoenixcontact.com/gb/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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1-10A - 1115649

https://www.phoenixcontact.com/gb/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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/1A - 1157288

https://www.phoenixcontact.com/gb/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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/2A - 1157290

https://www.phoenixcontact.com/gb/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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/4A - 1157285

https://www.phoenixcontact.com/gb/products/1157285



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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/6A - 1157286

https://www.phoenixcontact.com/gb/products/1157286



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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/8A - 1157279

https://www.phoenixcontact.com/gb/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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E1 12-24DC/10A - 1157284

https://www.phoenixcontact.com/gb/products/1157284



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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E2 12-24DC/1-4A - 1115655

https://www.phoenixcontact.com/gb/products/1115655



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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E2 12-24DC/2-10A - 1110984

https://www.phoenixcontact.com/gb/products/1110984



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.

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Electronic circuit breaker

Electronic circuit breaker - CAPAROC E4 12-24DC/1-4A - 1115657

https://www.phoenixcontact.com/gb/products/1115657



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.

Electronic circuit breaker

Electronic circuit breaker - CAPAROC E4 12-24DC/1-10A - 1115658

https://www.phoenixcontact.com/gb/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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Potential distributors

Potential distributors - CAPAROC PD 0V - 1110987

https://www.phoenixcontact.com/gb/products/1110987



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.

Busbar

Busbar - CAPAROC CR EXT20 - 1115674

https://www.phoenixcontact.com/gb/products/1115674

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



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Busbar

Busbar - CAPAROC CR EXT8 - 1110990

https://www.phoenixcontact.com/gb/products/1110990



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

Busbar

Busbar - CAPAROC CR EXT4 - 1110991

https://www.phoenixcontact.com/gb/products/1110991



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

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Metal part

Metal part - CAPAROC CR CON - 1270955

https://www.phoenixcontact.com/gb/products/1270955



Metal extension rails from connecting CAPAROC initial busbars.

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