

## Potential distributors - CBB 12 2X6RC-PT - 2905241

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Device circuit breaker boards for twelve thermomagnetic (CB TM1...) or electronic (CB E1... NO) circuit breakers with group remote signaling, central supply, connection for relay contacts, and potential distribution for up to four loads per channel.

### Product Features

- ✓ Reduced installation time thanks to multi-channel device Circuit Breakers Board (4/8/12 channels)
- ✓ Space savings of up to 35% thanks to compact design
- ✓ Fuse protection of up to 12 A per channel provides best possible protection for connected loads
- ✓ Up to 4 loads can be protected simultaneously with the additional terminal points
- ✓ Integrated group remote signaling ensures that you are always kept informed
- ✓ High current carrying capacity of the board supports supply of up to 60 A
- ✓ Maximum overcurrent protection over long cable paths thanks to device circuit breakers with SFB characteristic curve or electronic device circuit breakers



### Key Commercial Data

Packing unit	1 pc
Custom tariff number	85363090
Country of origin	Germany

### Technical data

#### Dimensions

Height	127.8 mm
Width	232 mm
Depth	70.8 mm

#### Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C (at 48 A, see derating)
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Humidity test	96h, 93% RH, 40 °C
Degree of protection	IP20 (Terminal blocks and fuse holders)

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## Technical data

### Ambient conditions

	IP00 (PCB)
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### General

Flammability rating according to UL 94	V0
Mounting type	DIN rail: 35 mm
Number of positions	12
Overvoltage category	II
Protection class	III
Pollution degree	2
Type	DIN rail module, two-section, divisible

### Electrical data

Rated voltage main circuit	24 V DC
Rated current main circuit	60 A DC (total)
	12 A DC (per channel)
Rated voltage remote indication circuit	24 V DC
Rated current remote indication circuit	0.5 A DC
Rated surge voltage	0.5 kV
Short circuit stability	600 A (conditional according to DIN EN 50178)
Power dissipation	4.5 W (without circuit breaker)
Insertion/withdrawal cycles	50

### Connection data

Connection name	Supply X21
Connection method	Push-in connection
Stripping length	18 mm
Conductor cross section solid	0.75 mm <sup>2</sup> ... 16 mm <sup>2</sup>
AWG conductor cross section	20 ... 4
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.75 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.75 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection name	Outputs X1 ... X12
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
AWG conductor cross section	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection name	Remote signaling X31
Connection method	Push-in connection

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## Technical data

### Connection data

Stripping length	10 mm
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
AWG conductor cross section	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Standards and Regulations

Standards/specifications	DIN EN 50178 1997
	DIN EN 61000-6-2:2005
	DIN EN 61000-6-3:2007+A1:2011
	DIN EN 60068-2-6

## Classifications

### eCl@ss

eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 8.0	27141116

### ETIM

ETIM 4.0	EC000899
ETIM 5.0	EC000899

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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Approval details

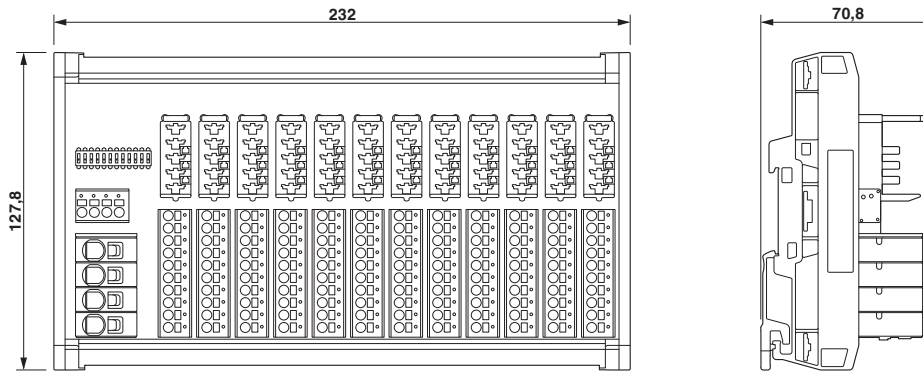
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## Approvals

EAC

## Drawings

Dimensional drawing



Circuit diagram

