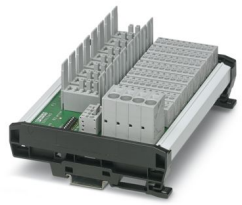
CBB 08 2X4RC-PT - Potential distributors

2905240

https://www.phoenixcontact.com/us/products/2905240

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Device circuit breaker boards for eight thermal-magnetic (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.

Your advantages

- Reduced installation work with a combination of slots for protective modules and potential distributors
- Space savings of up to 35% thanks to compact design
- The system operating state is always available at a glance with integrated group remote signaling
- Up to 4 loads can be protected simultaneously with the additional terminal points

Commercial data

Item number	2905240
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA211
GTIN	4046356934459
Weight per piece (including packing)	497.8 g
Weight per piece (excluding packing)	497 g
Customs tariff number	85363090
Country of origin	DE

Technical data

Product properties

Product type	Device circuit breaker board
Type	DIN rail module, two-section, divisible
Number of positions	1
No. of channels	8

Insulation characteristics

Protection class	III
Overvoltage category	II
Degree of pollution	2

Electrical properties

Maximum load current	60 A (Complete main circuit)
Maximum current with single arrangement	12 A (per channel)

General

Rated surge voltage	0.5 kV
Short-circuit current rating	600 A (conditional according to DIN EN 50178)
Power dissipation	4.9 W (without circuit breaker)
Insertion/withdrawal cycles	50

Main circuit

Rated voltage	24 V DC
Rated current I_N	60 A DC (total)
	12 A DC (per channel)

Remote indication circuit

Rated voltage	24 V DC
Rated current I_N	0.5 A DC

Connection data

Maximum load current	60 A (Complete main circuit)

Supply X21

Connection method	Push-in connection
Stripping length	18 mm
Conductor cross-section rigid	0.75 mm² ... 16 mm²
Conductor cross-section AWG	20 ... 4
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.75 mm² ... 10 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.75 mm² ... 16 mm²

Outputs X1 ... X8

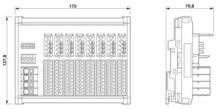
Connection method	Push-in connection

Stripping length	10 mm
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section AWG	24 ... 12
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 1.5 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.25 mm² ... 2.5 mm²

Remote signaling X31

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section AWG	24 ... 12
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 1.5 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.25 mm² ... 2.5 mm²

Dimensions

Dimensional drawing	
Width	170 mm
Height	127.8 mm
Depth	70.8 mm

Material specifications

Color	gray (RAL 7042)
Material	PA 6
	FR4-21
Flammability rating according to UL 94	V0
Housing material	PA 6

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Terminal blocks and fuse holders)
	IP00 (PCB)
Ambient conditions	A, B
Ambient temperature (operation)	-30 °C ... 60 °C (at 48 A, see derating)
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Humidity test	96 h, 93 % RH, 40 °C

Standards and regulations

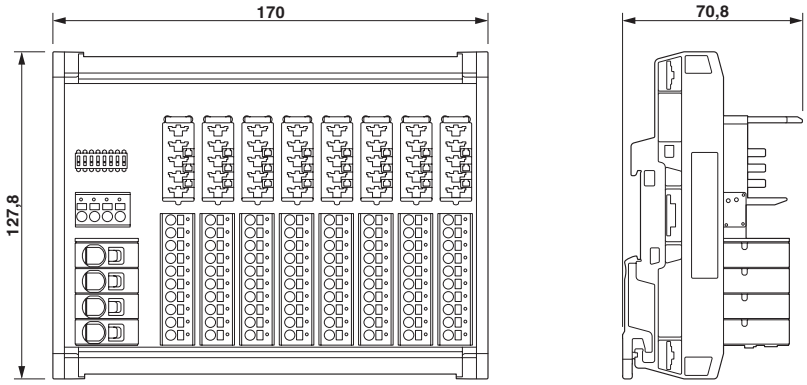
Standards/specifications	DIN EN 50178
Note	1997
Standards/specifications	DIN EN 61000-6-2:2005
Standards/specifications	DIN EN 61000-6-3:2007+A1:2011
Standards/specifications	DIN EN 60068-2-6

Mounting

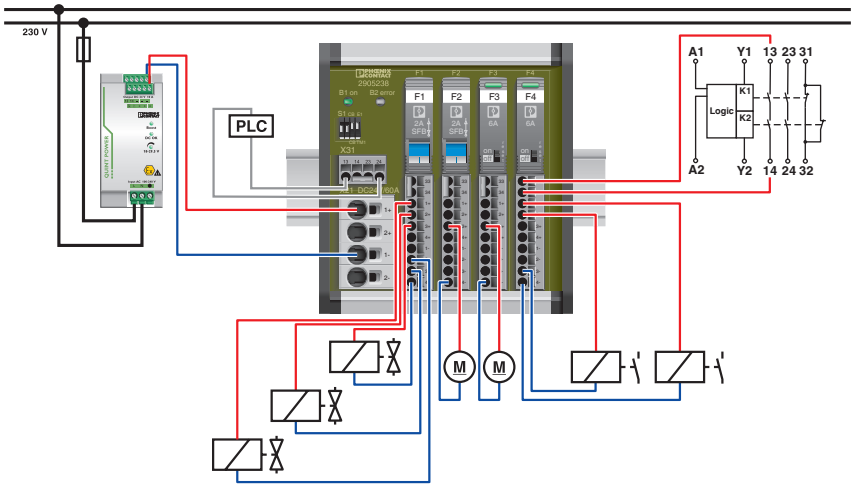
Mounting type	DIN rail: 35 mm
Mounting position	horizontal

Drawings

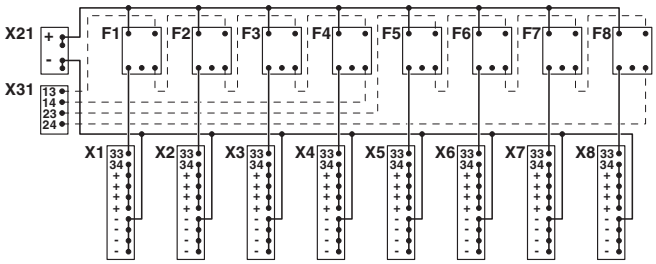
Dimensional drawing



Application drawing



Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

ETIM

ETIM 10.0	EC000899

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e3459755-e562-4d0a-9b3b-325d09d71c08

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