

Potential distributors - CBB 12 2X6RC-PT - 2905241

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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.

Why buy this product

- ✓ 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 STK
Weight per Piece (excluding packing)	760.000 g
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)
---------------------------------	--

Potential distributors - CBB 12 2X6RC-PT - 2905241

Technical data

Ambient conditions

Ambient temperature (storage/transport)	-30 °C ... 80 °C
Humidity test	96h, 93% RH, 40 °C
Degree of protection	IP20 (Terminal blocks and fuse holders)
	IP00 (PCB)

General

Flammability rating according to UL 94	V0
Mounting type	DIN rail: 35 mm
Number of positions	12
Overvoltage category_GRP	II
Protection class	III
Degree of pollution	2
Design	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 ² ... 16 mm ²
Conductor cross section AWG	20 ... 4
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.75 mm ² ... 10 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.75 mm ² ... 16 mm ²
Connection name	Outputs X1 ... X12
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ²

Potential distributors - CBB 12 2X6RC-PT - 2905241

Technical data

Connection data

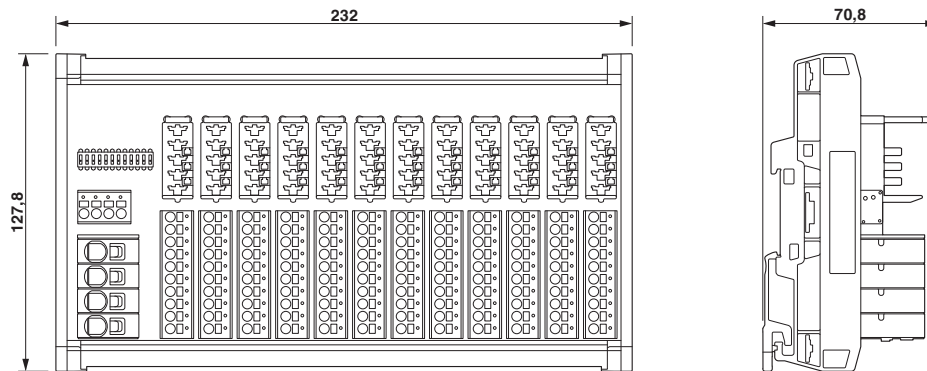
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²
Connection name	Remote signaling X31
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²

Standards and Regulations

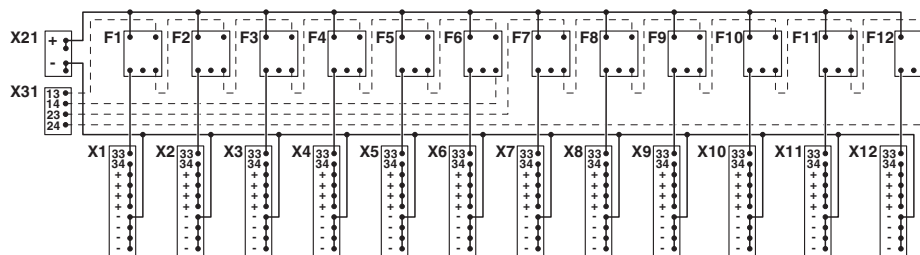
Standards/specifications	DIN EN 50178 1997
	DIN EN 61000-6-2:2005
	DIN EN 61000-6-3:2007+A1:2011
	DIN EN 60068-2-6

Drawings

Dimensional drawing

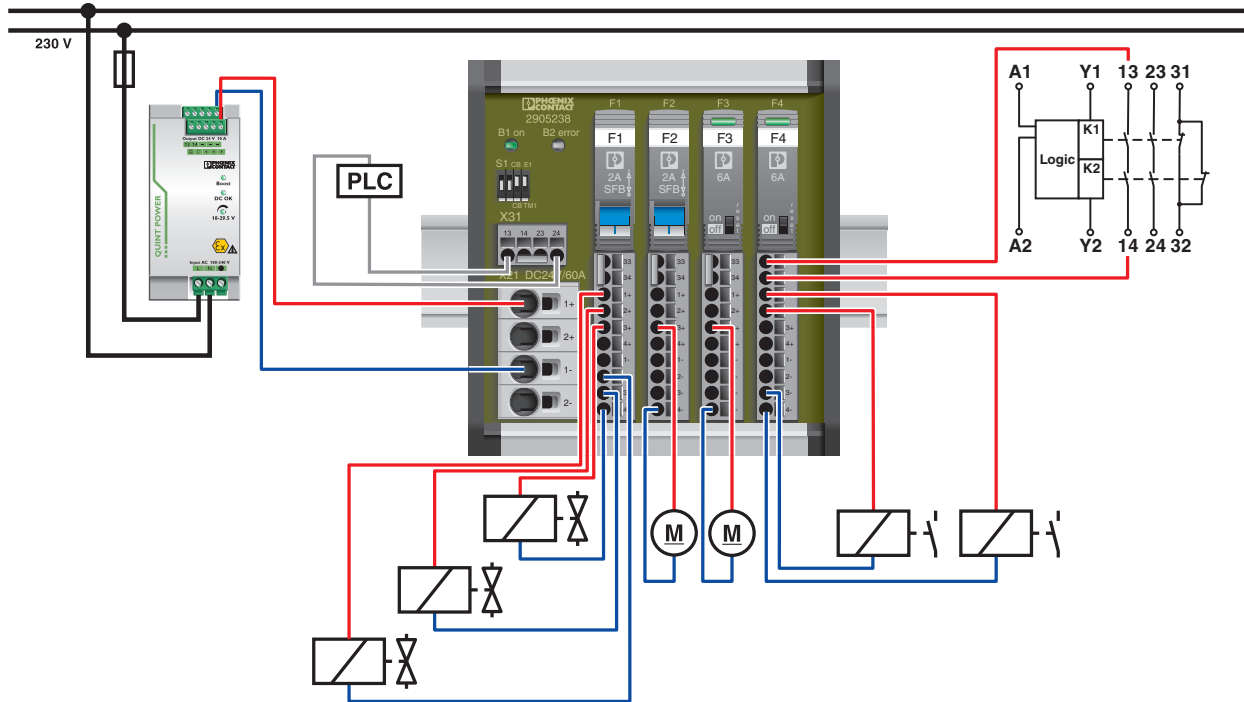


Circuit diagram



Potential distributors - CBB 12 2X6RC-PT - 2905241

Application drawing



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC RU C-DE.A*30.B01561

