

Potential distributors - CBB TM 04 2X2RC P-PT - 2801481

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Device circuit breaker boards for four CB TM1... thermomagnetic circuit breakers with group remote signaling, central supply, and potential distribution for up to five loads per channel.



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 782319
GTIN	4046356782319

Technical data

Dimensions

Height	127.8 mm
Width	118.5 mm
Depth	70.8 mm

Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C (At max. 45 A, see derating)
Ambient temperature (storage/transport)	-30 °C ... 80 °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	1
Overvoltage category	II
Degree of pollution	2
Type	DIN rail module, two-section, divisible

Electrical data

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Electrical data

Rated voltage main circuit	24 V DC
Rated current main circuit	48 A DC (total)
	12 A DC (per channel)
Rated voltage remote indication circuit	24 V DC
Rated current remote indication circuit	1 A DC
Rated insulation voltage U_i	50 V DC
Rated surge voltage	0.5 kV
Short circuit stability	600 A (conditional according to DIN EN 50178)
Power dissipation	4.1 W (with even load on outputs with I_n)
Insertion/withdrawal cycles	50

Connection data

Connection name	Supply X21
Connection method	Push-in connection
Stripping length	18 mm
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	4
Connection name	Outputs X1 ... X4
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Connection name	Remote signaling X31
Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Standards and Regulations

Standards/specifications	DIN EN 50178 1997
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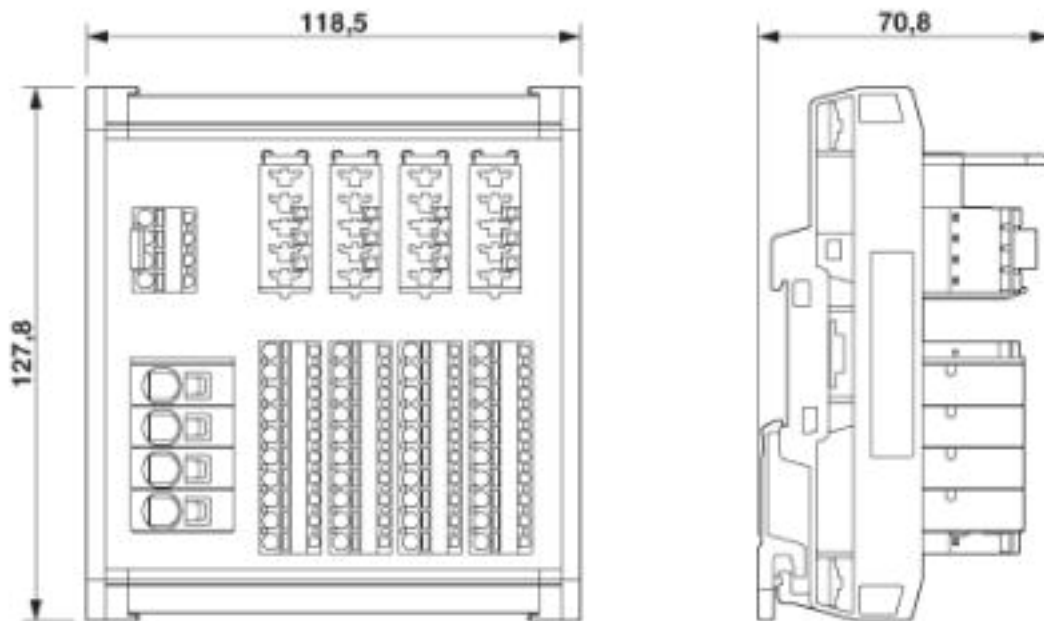
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

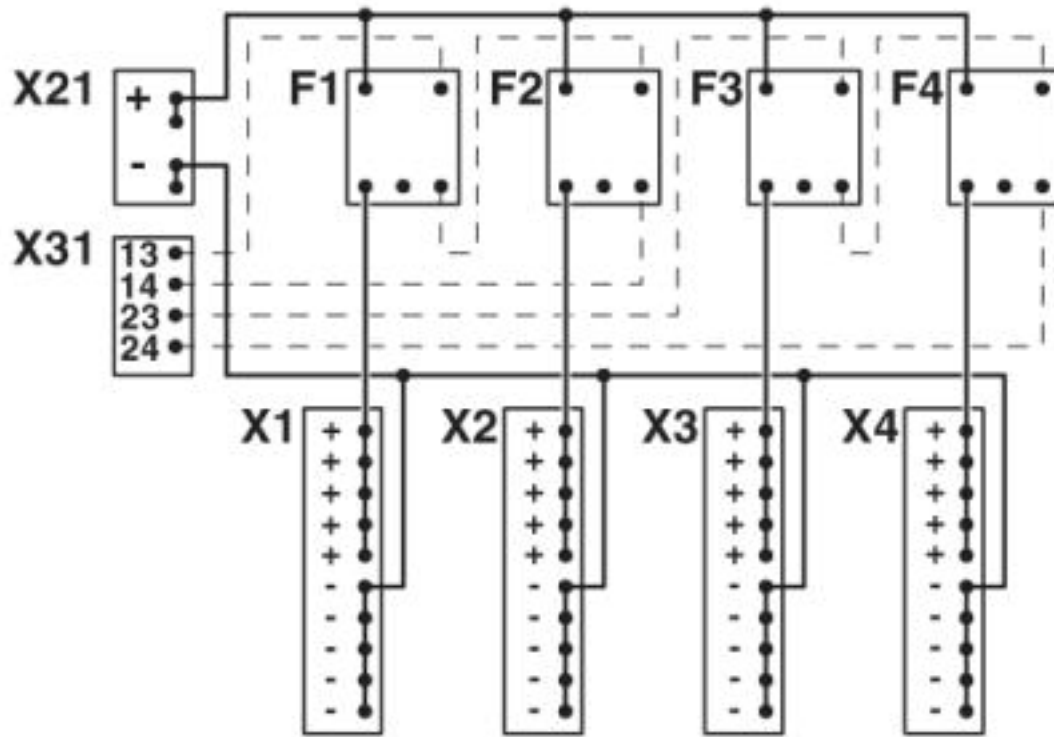
Drawings

Dimensional drawing



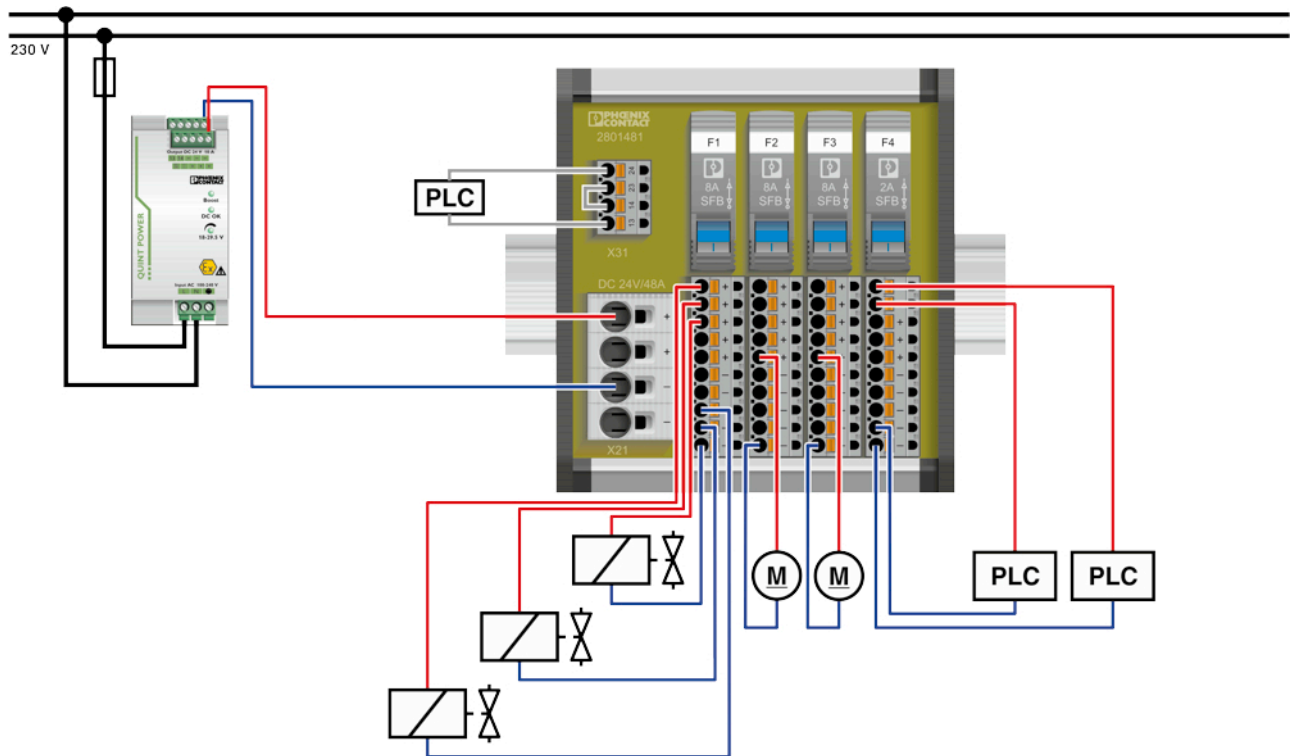
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Circuit diagram



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Application drawing



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Classifications

eCl@ss

eCl@ss 10.0.1	27371392
eCl@ss 4.0	27378000
eCl@ss 4.1	27378000
eCl@ss 5.0	27379100
eCl@ss 5.1	27379100
eCl@ss 6.0	27379200
eCl@ss 7.0	27379201
eCl@ss 8.0	27379201
eCl@ss 9.0	27379201

ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC002498
ETIM 5.0	EC002498
ETIM 6.0	EC002498
ETIM 7.0	EC002498

UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121421
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

Approvals

Approvals

Approvals

EAC / EAC / EAC

Ex Approvals

Approval details

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Approvals

EAC		EAC-Zulassung
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EAC		RU C- DE.A*30.B01561
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EAC		RU C- DE.A*30.B01546
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Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

Marker carriers

Module marker carrier - PMB - 1004364



Phoenix module marker carrier, for labeling modules and PCBs, for hole diameter 3.9 to 4.1 mm, thickness of wall or board 1.5 - 2.0 mm, labeling with insert strips ESL, EST or ES/LP-BW-GB, lettering field: 29 x 8 mm

Terminal marking

Insert strip - ES/LP-BW-GB - 1003433



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, CMS-P1-PLOTTER, perforated, mounting type: insert, lettering field size: 29 x 8 mm, Number of individual labels: 150

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Accessories

Insert strip - ESL 29X8 - 0808257



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, perforated, mounting type: insert, lettering field size: 29 x 8 mm, Number of individual labels: 174

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