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.

RoHS

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	4
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 In)
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 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	16 mm²
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 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
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 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
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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Environmental Product Compliance

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

Approvals

Approvals

Approvals

EAC / EAC / EAC

Ex Approvals

Approval details

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

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