# Potential distributors - CBB 04 2X2RC-PT - 2905238

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Device circuit breaker boards for four 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.

## Your advantages

- 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 |
| GTIN | 4 046356 935388 |
| GTIN | 4046356935388 |

## Technical data

### Dimensions

| | |
|---|---|
| Height | 127.8 mm |
| Width | 108.5 mm |
| Depth | 70.8 mm |

### Ambient conditions

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

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## Technical data

### Ambient conditions

| | |
|---|---|
| | IP00 (PCB) |

### General

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Mounting type | DIN rail: 35 mm |
| Number of positions | 1 |
| Overvoltage category | II |
| Protection class | III |
| Degree of pollution | 2 |
| Type | DIN rail module, two-section, divisible |

### 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 | 0.5 A DC |
| Rated surge voltage | 0.5 kV |
| Short circuit stability | 600 A (conditional according to DIN EN 50178) |
| Power dissipation | 4.1 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 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 |
| Connection name | Outputs X1 ... X4 |
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Conductor cross section solid | 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 |
| Connection name | Remote signaling X31 |
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Conductor cross section solid | 0.2 mm² ... 4 mm² |
| Conductor cross section AWG | 24 ... 12 |

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## Technical data

### Connection data

| | |
|---|---|
| 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 |

### Standards and Regulations

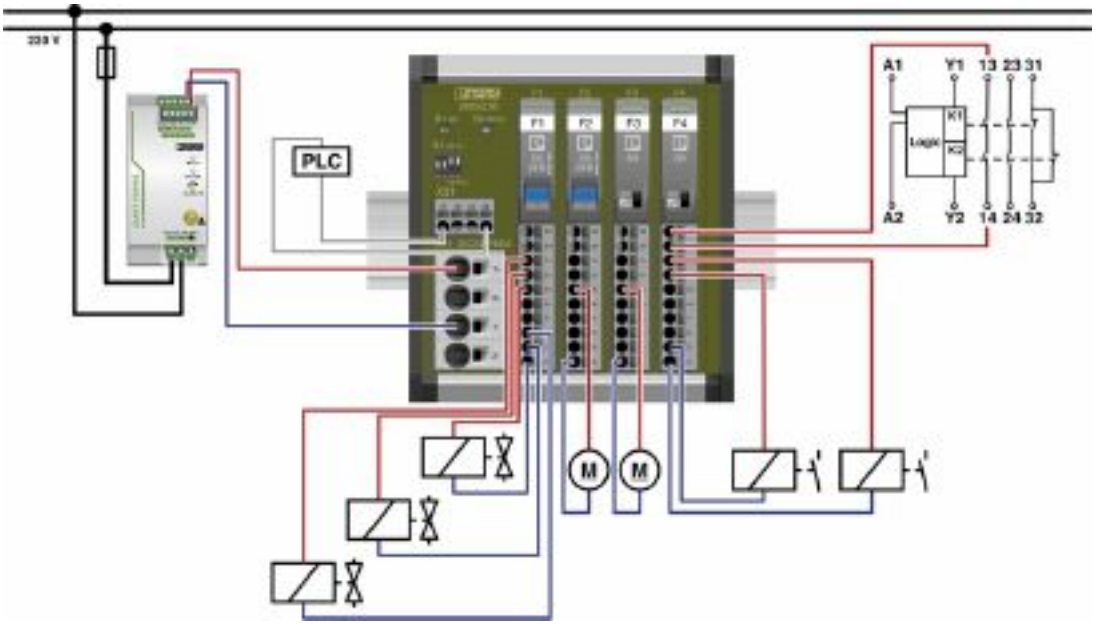
| | |
|---|---|
| Standards/specifications | DIN EN 50178 1997 |
| | DIN EN 61000-6-2:2005 |
| | DIN EN 61000-6-3:2007+A1:2011 |
| | DIN EN 60068-2-6 |

### Environmental Product Compliance

| | |
|---|---|
| REACh SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

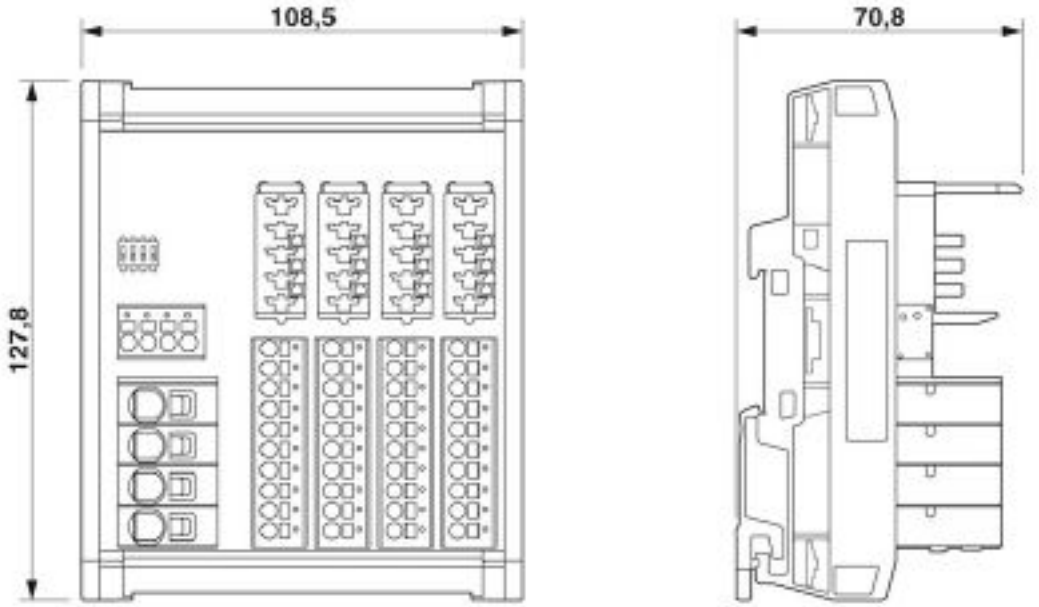
## Drawings

Application drawing

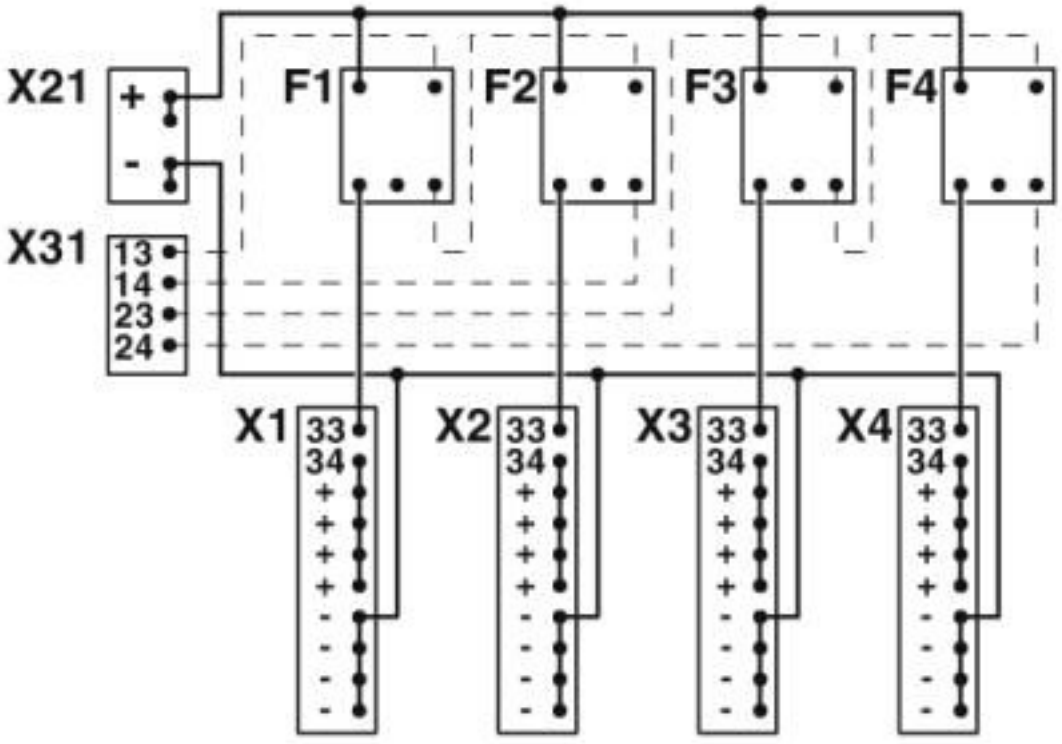


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Dimensional drawing




Circuit diagram




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27141116 |

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141116 |
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

### ETIM

| | |
|---|---|
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |
| ETIM 7.0 | EC000899 |

### UNSPSC

| | |
|---|---|
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

### Approval details

| | | |
|---|---|---|
| EAC | EAC | RU C-DE.*09.B.00169 |

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