

# CB2200 Series Supplemental Circuit Breakers

## Circuit Breakers Thermal Magnetic Type

- Rated from 0.1 to 32.0 amps
- Available in single, double and triple pole configurations
- Offers normally open (N/O) and normally closed (N/C) auxiliary contacts
- Lever-switch trip/reset function
- Mounts on 32mm or 35mm DIN-rail
- UL 1077 recognized
- CSA C22.2 No. 235

## CB2200 Series Single Pole



## CB2200 Series Double Pole



## CB2200 Series Triple Pole



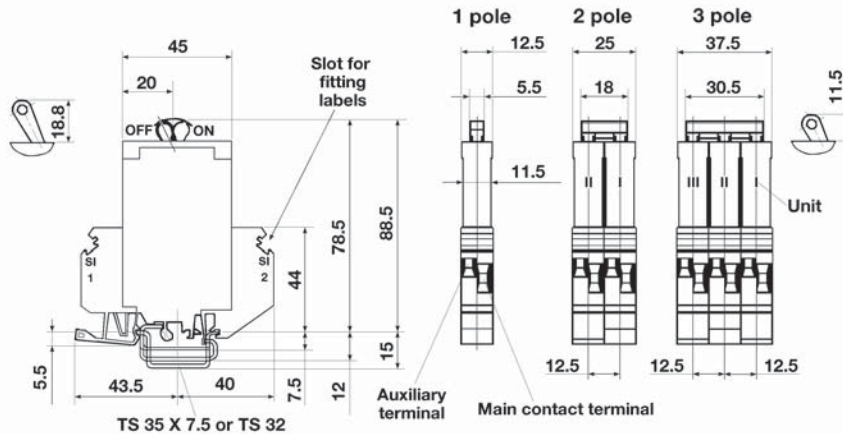
| Ordering Data | Type: Single Pole*     |                   | Type: Double Pole      |                  | Type: Triple Pole      |                  |
|---------------|------------------------|-------------------|------------------------|------------------|------------------------|------------------|
|               | Current Ratings (amps) | N/O Aux. Part No. | Current Ratings (amps) | N/O-N/C Part No. | Current Ratings (amps) | N/O-N/C Part No. |
|               | 0.1                    | 9911010005        | 0.1                    | 9912010003       | 0.1                    | 9913010003       |
|               | 0.2                    | 9911020005        | 0.2                    | 9912020003       | 0.2                    | 9913020003       |
|               | 0.3                    | 9911030005        | 0.3                    | 9912030003       | 0.3                    | 9913030003       |
|               | 0.4                    | 9911040005        | 0.4                    | 9912040003       | 0.4                    | 9913040003       |
|               | 0.5                    | 9911050005        | 0.5                    | 9912050003       | 0.5                    | 9913050003       |
|               | 0.6                    | 9911060005        | 0.6                    | 9912060003       | 0.6                    | 9913060003       |
|               | 0.8                    | 9911080005        | 0.8                    | 9912080003       | 0.8                    | 9913080003       |
|               | 1.0                    | 9911100005        | 1.0                    | 9912100003       | 1.0                    | 9913100003       |
|               | 1.5                    | 9911150005        | 1.5                    | 9912150003       | 1.5                    | 9913150003       |
|               | 2.0                    | 9911200005        | 2.0                    | 9912200003       | 2.0                    | 9913200003       |
|               | 2.5                    | 9911250005        | 2.5                    | 9912250003       | 2.5                    | 9913250003       |
|               | 3.0                    | 9911300005        | 3.0                    | 9912300003       | 3.0                    | 9913300003       |
|               | 4.0                    | 9911400005        | 4.0                    | 9912400003       | 4.0                    | 9913400003       |
|               | 5.0                    | 9911500005        | 5.0                    | 9912500003       | 5.0                    | 9913500003       |
|               | 6.0                    | 9911600005        | 6.0                    | 9912600003       | 6.0                    | 9913600003       |
|               | 8.0                    | 9911800005        | 8.0                    | 9912800003       | 8.0                    | 9913800003       |
|               | 10                     | 9921100005        | 10                     | 9922100003       | 10                     | 9923100003       |
|               | 12                     | 9921120005        | 12                     | 9922120003       | 12                     | 9923120003       |
|               | 15                     | 9921150005        | 15                     | 9922150003       | 15                     | 9923150003       |
|               | 16                     | 9921160005        | 16                     | 9922160003       | 16                     | 9923160003       |
|               | 18                     | 9921180005        | 18                     | 9922180003       | 18                     | 9923180003       |
|               | 20                     | 9921200005        | 20                     | 9922200003       | 20                     | 9923200003       |
|               | 25                     | 9921250005        |                        |                  |                        |                  |
|               | 32                     | 9921320005        |                        |                  |                        |                  |

\*All part numbers with N/O Auxiliary Contacts on each pole when the main breaker contact is open (in the OFF position)

| Ordering Data | Type: Single Pole      |            | Type: Double Pole      |            | Type: Triple Pole      |            |
|---------------|------------------------|------------|------------------------|------------|------------------------|------------|
|               | Current Ratings (amps) | Part No.   | Current Ratings (amps) | Part No.   | Current Ratings (amps) | Part No.   |
|               | 0.1                    | 9911010000 | 0.1                    | 9912010000 | 0.1                    | 9913010000 |
|               | 0.2                    | 9911020000 | 0.2                    | 9912020000 | 0.2                    | 9913020000 |
|               | 0.3                    | 9911030000 | 0.3                    | 9912030000 | 0.3                    | 9913030000 |
|               | 0.4                    | 9911040000 | 0.4                    | 9912040000 | 0.4                    | 9913040000 |
|               | 0.5                    | 9911050000 | 0.5                    | 9912050000 | 0.5                    | 9913050000 |
|               | 0.6                    | 9911060000 | 0.6                    | 9912060000 | 0.6                    | 9913060000 |
|               | 0.8                    | 9911080000 | 0.8                    | 9912080000 | 0.8                    | 9913080000 |
|               | 1.0                    | 9911100000 | 1.0                    | 9912100000 | 1.0                    | 9913100000 |
|               | 1.5                    | 9911150000 | 1.5                    | 9912150000 | 1.5                    | 9913150000 |
|               | 2.0                    | 9911200000 | 2.0                    | 9912200000 | 2.0                    | 9913200000 |
|               | 2.5                    | 9911250000 | 2.5                    | 9912250000 | 2.5                    | 9913250000 |
|               | 3.0                    | 9911300000 | 3.0                    | 9912300000 | 3.0                    | 9913300000 |
|               | 4.0                    | 9911400000 | 4.0                    | 9912400000 | 4.0                    | 9913400000 |
|               | 5.0                    | 9911500000 | 5.0                    | 9912500000 | 5.0                    | 9913500000 |
|               | 6.0                    | 9911600000 | 6.0                    | 9912600000 | 6.0                    | 9913600000 |
|               | 8.0                    | 9911800000 | 8.0                    | 9912800000 | 8.0                    | 9913800000 |
|               | 10                     | 9921100000 | 10                     | 9922100000 | 10                     | 9923100000 |
|               | 12                     | 9921120000 | 12                     | 9922120000 | 12                     | 9923120000 |
|               | 15                     | 9921150000 | 15                     | 9922150000 | 15                     | 9923150000 |
|               | 16                     | 9921160000 | 16                     | 9922160000 | 16                     | 9923160000 |
|               | 18                     | 9921180000 | 18                     | 9922180000 | 18                     | 9923180000 |
|               | 20                     | 9921200000 | 20                     | 9922200000 | 20                     | 9923200000 |
|               | 25                     | 9921250000 | 25                     | 9922250000 | 25                     | 9923250000 |
|               | 32                     | 9921320000 | 32                     | 9922320000 | 32                     | 9923320000 |

# CB2200 Series Supplemental Circuit Breakers

## CB2200 Series



Dimensions in mm

### Technical Data

Rated voltage & current†

|     |
|-----|
| UL  |
| CSA |
| VDE |

Auxiliary contacts

Creepage resistance

Dielectric strength

Insulation resistance

Interrupting capacity  
(VDE 0660, Part 101, P-2)

Interrupting capacity  
(UL 1077/EN 60934 PC1)

Typical life at 2 x rated current

Shock

Torque Nm (lb. in.)

Vibration

Temperature range

Corrosion

Humidity

Weight

Wire size (UL)

### Accessories

|         |                |
|---------|----------------|
| Jumpers | Daisy Chain 50 |
| Busbars |                |

### Marking Tags

|             |                        |
|-------------|------------------------|
| 1 2 3 4 5 6 | Special print only     |
| 1 2 3 4 5 6 | Consecutive horizontal |
| 1 2 3 4 5 6 | Consecutive vertical   |

Note: Part numbers shown are for a single card of pre-printed tags numbered 1-50.

†Note: Resistive and inductive loads (0.05 - 16 A)

\*Please specify horizontal or vertical print when ordering.

### Voltage Ratings

|                                  |            |
|----------------------------------|------------|
| 277 / 480 VAC (50/60 Hz); 65 VDC | 0.1...32 A |
| 277 / 480 VAC (50/60 Hz); 65 VDC | 0.1...32 A |
| 250 / 415 VAC / 65 VDC           | 0.1...32 A |

250 VAC / 65 VDC, 1 A

PTI 600 to IEC 112

3,000 VAC; IEC 664 & 664 A

> 100 MΩ (DC 500 V)

| Rated current | Rated voltage | Rupture capacity (3 times) |
|---------------|---------------|----------------------------|
| 0.05...0.8 A  | 250 / 415 VAC | 400 A                      |
| 6...32 A      | 250 / 415 VAC | 800 A                      |

| Rated current | Rated voltage | Max. rupture capacity (3 times) |
|---------------|---------------|---------------------------------|
| 0.1...16 A    | 277 / 480 VAC | 5000 A                          |
| 20...32 A     | 277 / 480 VAC | 2000 A                          |
| 0.1...32 A    | 65 VDC        | 2000 A                          |

5,000 operations

25 g (11 ms) to IEC 68-2-27, Test Ea

0.6 (5.3) Auxiliary contact: 0.5 (4.4)

5 g (57 to 500 Hz / ±0.38 mm, 10 to 57 Hz) to IEC 68-2-6, Test Fc -30...+60°C (-22°F...+140°F)

96 hours at 5% salt spray, to IEC 68-2-11, Test Ka

240 hours at 95% RH, to IEC 68-2-3, Test Ca

Approximately 60 g per pole

max 6 mm²...8 AWG max 1.5 mm²...14 AWG (Aux. contact)

### Type

| Type                 | Part No.   |
|----------------------|------------|
| BDC 50, 20 A maximum | 9970290000 |
| 1 pole (CB2200)      | 9986510000 |
| 2 pole (CB2200)      | 9987360000 |

### DEK 5/6

|         |             |
|---------|-------------|
| DEK 5/6 | 0490360000* |
| DEK 5/6 | 0468660001  |
| DEK 5/6 | 0468760001  |

## Trip Curves—Thermal Magnetic Type Typical time/current characteristics at 23°C

### CB2200 Series

