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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 |

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

CB2200 Series Supplemental Circuit Breakers

CB2200 Series



Dimensions in mm

Technical Data

| | |
|--------------------------|-----|
| Rated voltage & current† | UL |
| | CSA |
| | VDE |

| | |
|---------------------------|----------------------------|
| Auxiliary contacts | 250 VAC / 65 VDC, 1 A |
| Creepage resistance | PTI 600 to IEC 112 |
| Dielectric strength | 3,000 VAC; IEC 664 & 664 A |
| Insulation resistance | > 100 MΩ (DC 500 V) |
| Interrupting capacity | |
| (VDE 0660, Part 101, P-2) | |

| | |
|------------------------|--|
| Interrupting capacity | |
| (UL 1077/EN 60934 PC1) | |

| | |
|-----------------------------------|---|
| Typical life at 2 x rated current | 5,000 operations |
| Shock | 25 g (11 ms) to IEC 68-2-27, Test Ea |
| Torque | 0.6 (5.3) Nm (lb. in.) |
| Vibration | 5 g (57 to 500 Hz / ±0.38 mm, 10 to 57 Hz) to IEC 68-2-6, Test Fc |
| Temperature range | -30...+60°C (-22°F...+140°F) |
| Corrosion | 96 hours at 5% salt spray, to IEC 68-2-11, Test Ka |
| Humidity | 240 hours at 95% RH, to IEC 68-2-3, Test Ca |
| Weight | Approximately 60 g per pole |
| Wire size (UL) | max 6 mm²...8 AWG max 1.5 mm²...14 AWG (Aux. contact) |

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 | | Current 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 | |
| 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 | |

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

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

