

Molded Case Circuit Breakers



sentronTM SERIES



SIEMENS

Global network of innovation

A Solutions Oriented Circuit Protection Family



15 to 2000A Thermal Magnetic Line

- Fixed or interchangeable trip units
- **CE** marked with IEC interrupting ratings
- Motor circuit protectors from 1-800 Amps
- 100% rated, 400Hz, 50C available
- Naval UL489 supplement SB available
- Full line current limiting without fuses
- Full line of 250V - 500V DC ratings

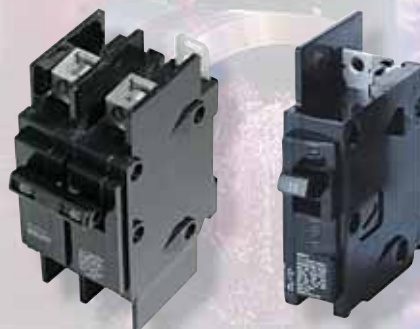


2000-3200A MCCB

- Full function trip with communications capability
- Highest amperage MCCB on the market
- Highest interrupting ratings on the market
- Standard cause of trip indication
- Field installable ground fault alarm/trip module
- Field installable ammeter/monitoring module
- 100% ratings available

240V Specialty Breakers

- The 240V OJ breaker is ideally suited for OEM and residential applications from 60-225A at up to 100KA. Add the walking beam interlock and it becomes an ideal solution for your standby power applications.
- The BQXD breaker with its integral DIN rail clip and other mounting accessories make it ideal for HVAC and control panel application. It is available in 1 and 2 pole configurations through 60A at 10KA.



Competitive Advantages To Reduce Your Installed Cost

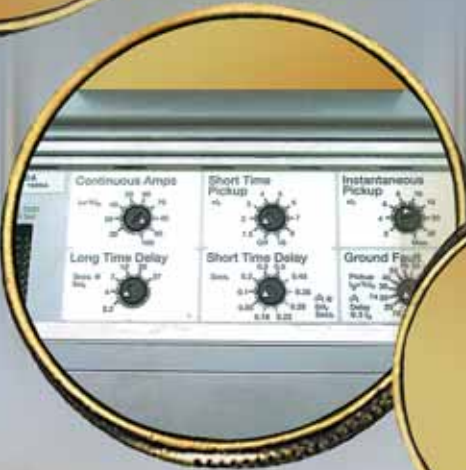


UL listed field installable accessories in all Sentron frames allow for changes on the fly without going to the factory

CE marked UL breakers with IEC 60947-2 ratings let you serve all markets with one design



Sensitrip III™ breakers are adjustable without the need for rating plugs



The Sensitrip Ammeter saves on CTs, wiring and installation costs



Siemens offers thermal mag as a cost saving option and DC solution through 2000A



Interchangeable trip units reduce inventory and allow for retro-fits (sealed available for reverse feed)





| Breaker Type | | CQD | ED4 | | ED6 | | FD | | | | JD | | | | |
|--|--------------------|--|---|---|---|---|------------|------|------|------|-----------|------|------|------|-------|
| Amps | | 15 - 100 | 15 - 125 | | 15 - 125 | | 70 - 250 | | | | 200 - 400 | | | | |
| Volts | | 480Y/277 | 480 | | 600 | | 600 | | | | 600 | | | | |
| Poles | | 1,2,3 | 1,2,3 | | 1,2,3 | | 2,3 | | | | 2,3 | | | | |
| UL Interrupting Rating ① | | CQD | ED | HED | ED | HHED | CED | FD | HFD | HHFD | CFD | JD | HJD | HHJD | CJD |
| | 240V | 65 | 65 | 100 | 65 | 100 | 200 | 65 | 100 | 200 | 200 | 65 | 100 | 200 | 200 |
| | 480/277V | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 480V | — | 18 | 42 | 25 | 65 | 200 | 35 | 65 | 100 | 200 | 35 | 65 | 100 | 150 |
| | 600V | — | — | — | 18 | 25 | 100 | 22 | 25 | 25 | 100 | 25 | 35 | 50 | 100 |
| 250V DC (2 P) | 14 | 30 | 30 | 30 | — | 30 | 30 | 30 | — | 30 | 30 | 30 | — | 30 | |
| IEC (Icu) Interrupt Rating | | 3VF2 (IEC Only) ② | ED | HED | ED | HHED | CED | FD | HFD | HHFD | CFD | JD | HJD | HHJD | CJD |
| | 220/240V | 65 | 65 | — | 65 | — | 200 | 65 | 100 | 200 | — | 65 | 100 | 200 | — |
| | 380/415V | 18 | 18 | — | 35 | — | 200 | 35 | 65 | 100 | — | 40 | 65 | 100 | — |
| | 500V | — | — | — | 18 | — | — | 20 | 42 | 65 | — | 30 | 42 | 65 | — |
| Thermal Magnetic Trip | Fixed | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Interchangeable | | | | | | | | | | | | | | |
| | Magnetic Only MCP | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | Molded Case Switch | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | Electronic Trip | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| Dim. | 2 (1) Pole | Height | 4.5" | 6.3" | 6.3" | 6.5" | 9.6" | 9.5" | 9.5" | 9.5" | 14.2" | 11" | 11" | 11" | 17.8" |
| | | Width | 2" (1P 1*) | 2" (1P 1*) | 2" (1P 1*) | 2" (1P 1*) | 2" (1P 1*) | 4.5" | 4.5" | 4.5" | 4.5" | 7.5" | 7.5" | 7.5" | 7.5" |
| | | Depth | 2.9" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" |
| | 3 Pole | Height | 4.5" | 6.3" | 6.3" | 6.5" | 9.6" | 9.5" | 9.5" | 9.5" | 14.2" | 11" | 11" | 11" | 17.8" |
| | | Width | 3" | 3" | 3" | 3" | 3" | — | 4.5" | 4.5" | 4.5" | 7.5" | 7.5" | 7.5" | 7.5" |
| | | Depth | 2.9" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" | 4" |
| Internal Accessories and Modifications | | Shunt Trip Auxiliary Switch Alarm Switch | Undervoltage Trip Shunt Trip Auxiliary Switch Alarm Switch Ground Fault Sensing Relay Kit UL489 Supp. SB (Naval Use) 50C or 400Hz Calibration | Undervoltage Trip Shunt Trip Auxiliary Switch Alarm Switch Ground Fault Sensing Relay Kit UL489 Supp. SB (Naval Use) 50C or 400Hz Calibration | Gold Plated Auxiliary Switch (PLC) Undervoltage Trip Shunt Trip Auxiliary Switch Alarm Switch UL489 Supp. SB (Naval Use) 50C or 400Hz Calibration | Gold Plated Auxiliary Switch (PLC) Undervoltage Trip Shunt Trip Auxiliary Switch Alarm Switch UL489 Supp. SB (Naval Use) 50C or 400Hz Calibration | | | | | | | | | |
| | | Padlocking Device Handle Blocking Device Standard Depth Rotary Operator Variable Depth Rotary Operator Fixed Depth Flange Mounted Operator Motor Operator Door Latch Kit Operator Auxiliary Switch | Control Wire Taps Padlocking Device Handle Blocking Device Standard Depth Rotary Operator Variable Depth Rotary Operator Fixed Depth Flange Mounted Operator Motor Operator Door Latch Kit Operator Auxiliary Switch | Control Wire Taps Padlocking Device Handle Blocking Device Standard Depth Rotary Operator Variable Depth Rotary Operator Fixed Depth Flange Mounted Operator Motor Operator Door Latch Kit Operator Auxiliary Switch | Control Wire Taps Padlocking Device Handle Blocking Device Mechanical Interlock Standard Depth Rotary Operator Variable Depth Rotary Operator Variable Depth Cable Operator Fixed Depth Flange Mounted Operator Motor Operator Door Latch Kit Operator Auxiliary Switch | Control Wire Taps Padlocking Device Handle Blocking Device Mechanical Interlock Standard Depth Rotary Operator Variable Depth Rotary Operator Variable Depth Cable Operator Fixed Depth Flange Mounted Operator Motor Operator Door Latch Kit Operator Auxiliary Switch | | | | | | | | | |
| | | Integral DIN Rail Clip Face-Mounting Plates | Plug-In Mounting Assemblies Rear-Connecting Studs | Plug-In Mounting Assemblies Rear-Connecting Studs | Plug-in Mounting Assemblies Rear-Connecting Studs | Plug-in Mounting Assemblies Rear-Connecting Studs | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

① Consult Siemens for interrupting ratings at other voltages, including 500Vdc. The SHTD 690V Icu rating is 65 kA.

② CQD breakers are **CE** marked through 30A. 3VF2 are **CE** marked through 100A.

Modularity To Support All Your Application Needs

Handle Mechanisms and Operators



Max-Flex™
UL & IEC



Variable and Fixed Depth
Rotary UL & IEC



Fixed
Depth Flange



Motor Operator

External and Termination Accessories



Handle Lock

Handle Block



Control Wire Taps



Standard Ring
Terminal Provision



Plug Ins



Rear Connectors



Walking Beam Interlock



Mechanical Lugs



Compression Lugs

Internal Accessories



- Auxiliary Switch
- Low Power (PLC) Gold Plated Aux Sw.
- Shunt Trip
- Bell Alarm
- Under Voltage Release

Ground Fault Kit



- Field installable
- For use on any 1,2 or 3P ED frame breaker
- 5 or 30mA application
- Kit includes CTs, 24 inch leads, and mounting equipment

