

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

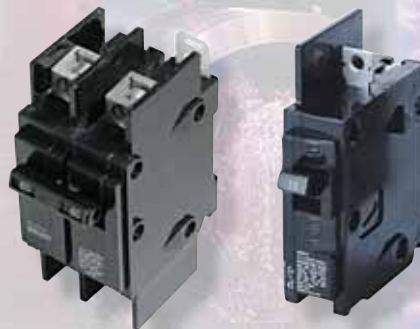


2000-3200A MCCB

- 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

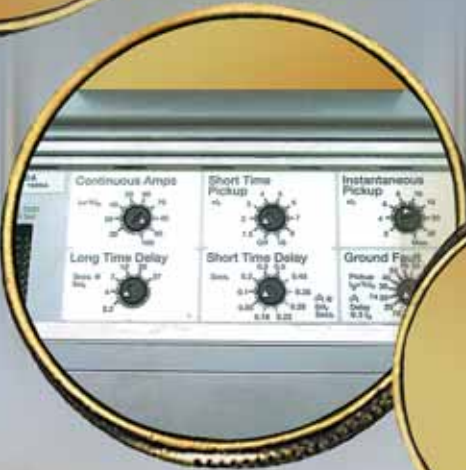


UL listed field installable accessories in all Sentron frames allow for changes on the fly without going to the factory

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 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.



LD

LMD

MD

ND

PD

RD

STD

250 - 600				500 - 800		500 - 800			800 - 1200			1200 - 1600			1600 - 2000		2000 - 3200		
600				600		600			600			600			600		600		
2,3				2,3		2,3			2,3			3			3		3		
LD	HLD	HHLD	CLD	LMD	HLMD	MD	HMD	CMD	ND	HND	CND	PD	HPD	CPD	RD	HRD	STD	SHTD	SHHTD
65	100	200	200	65	100	65	100	200	65	100	200	65	100	200	65	100	85	150	200
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	65	100	150	50	65	50	65	100	50	65	100	50	65	100	50	65	65	100	150
25	35	50	100	25	50	25	50	65	25	50	65	25	50	65	25	50	50	85	100
30	30	—	30	30	30	30	30	30	30	30	30	30	30	30	30	30	—	—	—
LD	HLD	HHLD	CLD	LMD	HLMD	MD	HMD	CMD	ND	HND	CND	PD	HPD	CPD	RD	HRD	STD	SHTD	SHHTD
65	100	200	—	65	100	65	100	200	65	100	200	65	100	200	65	100	—	—	—
40	65	100	—	40	65	40	65	100	40	65	100	40	65	100	40	65	—	100	—
30	42	65	—	30	42	30	42	65	30	42	65	30	42	65	30	42	—	65 ^①	—
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11"	11"	11"	17.8"	16"	16"	16"	16"	16"	16"	16"	16"	—	—	—	—	—	—	—	—
7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	9"	9"	9"	9"	9"	9"	—	—	—	—	—	—	—	—
4"	4"	4"	4"	4.5"	4.5"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	—	—	—	—	—	—	—	—
11"	11"	11"	17.8"	16"	16"	16"	16"	16"	16"	16"	16"	16"	16"	16"	16"	16"	20.5"	20.5"	20.5"
7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	15.5"	15.5"	15.5"
4"	4"	4"	4"	4.5"	4.5"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	6.2"	12.5"	12.5"	12.5"
Gold Plated Auxiliary Switch (PLC)				Gold Plated Aux. Switch (PLC)		Gold Plated Auxiliary Switch (PLC)			Gold Plated Auxiliary Switch (PLC)			Gold Plated Auxiliary Switch (PLC)		Gold Plated Aux. Switch (PLC)		Remote Indicator Panel			
Undervoltage Trip				Undervoltage Trip		Undervoltage Trip			Undervoltage Trip			Undervoltage Trip		Undervoltage Trip		Undervoltage Trip			
Shunt Trip				Shunt Trip		Shunt Trip			Shunt Trip			Shunt Trip		Shunt Trip		Shunt Trip			
Auxiliary Switch				Auxiliary Switch		Auxiliary Switch			Auxiliary Switch			Auxiliary Switch		Auxiliary Switch		Auxiliary Switch			
Alarm Switch				Alarm Switch		Alarm Switch			Alarm Switch			Alarm Switch		Alarm Switch		Alarm Switch			
UL489 Supp. SB (Naval Use)				50C or 400Hz Calibration		UL489 Supp. SB (Naval Use)			UL489 Supp. SB (Naval Use)			UL489 Supp. SB (Naval Use)		UL489 Supp. SB (Naval Use)		Plug-In Ammeter			
Sensitrip Ammeter						Sensitrip Ammeter			Sensitrip Ammeter			Sensitrip Ammeter		Sensitrip Ammeter		Plug-In GF Alarm			
Zone Interlocking & Communications						Zone Interlocking & Communications			Zone Interlocking & Communications			Zone Interlocking & Communications		Zone Interlocking & Communications		Zone Interlocking & Communications			
50C or 400Hz Calibration						50C or 400Hz Calibration			50C or 400Hz Calibration			50C or 400Hz Calibration		50C or 400Hz Calibration		Bell Alarm & Alarm Relay			
Control Wire Taps				Control Wire Taps		Control Wire Taps			Padlocking Device			Padlocking Device		Padlocking Device		Padlocking Device			
Padlocking Device				Padlocking Device		Padlocking Device			Handle Blocking Device			Handle Extension		Handle Extension		Handle Extension			
Handle Blocking Device				Handle Blocking Device		Handle Blocking Device			Handle Extension			Mechanical Interlock		Mechanical Interlock		Mechanical Interlock			
Mechanical Interlock				Mechanical Interlock		Mechanical Interlock			Mechanical Interlock			Standard Depth Rotary Operator		Standard Depth Rotary Operator		Standard Depth Rotary Operator			
Standard Depth Rotary Operator				Standard Depth Rotary Operator		Standard Depth Rotary Operator			Standard Depth Rotary Operator			Variable Depth Rotary Operator		Variable Depth Rotary Operator		Variable Depth Rotary Operator			
Variable Depth Rotary Operator				Variable Depth Rotary Operator		Variable Depth Rotary Operator			Variable Depth Rotary Operator			Variable Depth Cable Operator		Variable Depth Cable Operator		Variable Depth Cable Operator			
Variable Depth Cable Operator				Variable Depth Cable Operator		Variable Depth Cable Operator			Variable Depth Cable Operator			Motor Operator		Motor Operator		Motor Operator			
Motor Operator				Motor Operator		Motor Operator			Motor Operator			Door Latch Kit		Door Latch Kit		Door Latch Kit			
Door Latch Kit				Door Latch Kit		Door Latch Kit			Door Latch Kit			Operator Auxiliary Switch		Operator Auxiliary Switch		Operator Auxiliary Switch			
Operator Auxiliary Switch				Operator Auxiliary Switch		Operator Auxiliary Switch			Operator Auxiliary Switch			Operator Auxiliary Switch		Operator Auxiliary Switch		Operator Auxiliary Switch			
Plug-In Mounting Assemblies				Plug-In Mounting Assemblies		Plug-In Mounting Assemblies			Plug-In Mounting Assemblies			Mounting Block		Mounting Block		Rear-Connectors			
Rear-Connecting Studs				Rear-Connecting Studs		Rear-Connecting Studs			Rear-Connecting Studs										

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



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

