



Sentron Molded Case Circuit Breakers



Proven performance in both commercial and industrial market segments

Siemens Sentron™ series circuit breakers have a long history of excellent performance in both the commercial and industrial market segments. Siemens Sentron™ Series circuit breakers are available in nine frame sizes from 125A to 2000A, in thermal-magnetic as well as electronic trip versions and are fully rated for use in North America (CSA, UL, NOM). Features include field installable internal and external accessories, series connected short circuit ratings, and many sizes for motor circuit protectors & molded case switches.

Features & Benefits:

- 15-2000A Ratings (fixed/interchangeable)
- Rated for use across North America (CSA, UL, CE, NOM)
- Field installable internal and external accessories
- Thermal Magnetic & Electronic Trip
- Sentron Sensitrip IV Electronic Trip breakers include Dynamic Arc Flash Sentry (maintenance mode)
- 100% rated frames available
- Many sizes for motor circuit protectors & molded case switches
- Current limiting versions available and certified per CSA without the use of fuses
- May be mounted in a suitable enclosure
- Field installable ground fault relay kits available for equipment protection (ED 125A frame)



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Siemens Canada full line distributor



ED-Frame Sentron Series Circuit Breaker

1, 2, & 3-pole; 15 to 125 Amperes



Ratings & Markings (UL 489 AIR Interrupting Ratings)

Breaker Type	RMS Symmetrical Amperes (kA)									
	Volts AC (50/60Hz)						Volts DC			
	120	240	277	347	480	600	125	250	500	600
ED2 (1-P)	10	–	–	–	–	–	5	–	–	–
ED2 (2, 3-P)	–	10	–	–	–	–	–	5 (2-P)	–	–
ED4 (1-P)	65	–	22	–	–	–	30	–	–	–
ED4 (2, 3-P)	–	65	–	–	18	–	–	30 (2-P)	–	–
ED6 (1-P)	–	–	–	30	–	–	–	30	–	–
ED6 (2, 3-P)	–	65	–	–	25	18	–	–	18 (3-P)	–
ED6 (3-P)	–	–	–	–	–	–	–	–	–	10
HED4 (1-P) (15-30A)	100	–	65	–	–	–	30	–	–	–
HED4 (1-P) (35-100A)	100	–	25	–	–	–	30	–	–	–
HED4 (2, 3P)	–	100	–	–	42	–	–	30 (2-P)	–	–
HHED6 (2, 3-P)	–	100	–	–	65	18	–	–	–	–
CED6 (2, 3-P)	–	200	–	–	200	100	–	50 (2-P)	30 (3-P)	–

Footnote: 600VDC for ED6 only

Dimensions

Breaker Type	Poles	Length	Width	Depth	D-1 (over handle)
ED2, ED4, ED6, HED4	1	6.35	1	3.92	4.56
	2	6.35	2	3.92	4.56
	3	6.35	3	3.92	4.56
HHED6	2	6.53	2	3.92	4.56
	3	6.53	3	3.92	4.56
CED6	2	9.58	2	3.92	4.56
	3	9.58	3	3.92	4.56

Sentron Sensitrip IV

SJD 400A Frame
With Optional DAS / Maintenance Mode



Interrupting Ratings

Breaker Type	RMS Symmetrical kA CSA 22.2 No.5		
	240V AC	480V AC	600V AC
SJD6-B	65	35	25
SHJD6-B	100	65	35
SCJD6-B	200	150	100

Trip Unit Adjustable Functions

Trip Type	Continuous Current Setting	Long Time Delay	Instantaneous Pick Up	Short Time Pick Up	Short Time Fixed Delay	Short Time I ² t Delay	Ground Fault Pick Up	Ground Fault Delay
LI	✓	✓	✓					
LIG	✓	✓	✓				✓	✓
LSI	✓	✓	✓	✓	✓	✓		
LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SJD6-B	1	20
SHJD6-B	1	20
SCJD6-B	1	33

Accessories

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
24		S17JLD6	-
48		S18JLD6	-
120		S01JLD6	S01JLD62A
240		S03JLD6	S03JLD62A
277		S15JLD6	S15JLD64A
480		S04JLD6	-
	12	S16JLD6	S16JLD62A
	24	S07JLD6	S07JLD62A
	48	S09JLD6	S09JLD62A
	125	S11JLD6	S11JLD62A
	250	S13JLD6	S13JLD62A

Lugs for 75°C Wire

Catalog Number	No of Cables per Connector	Wire Range
TA2J6500	2	#3/0-500 kcmil Cu
	2	#4/0-500 kcmil Al
TA1L6750	1	500-750 kcmil Al
	1	500-600 kcmil Cu
TC1J6600	1	#3/0-600 kcmil Cu
TC2J6500	2	#3/0-500 kcmil Cu
TA2J630	2	#4-#3/0-Cu/Al
Compression Lug		
CCL600	(1 pc.)	#1/0-500 kcmil Cu/Al

Sentron Sensitrip IV

SLD 600A Frame
With Optional DAS / Maintenance Mode

Interrupting Ratings

Breaker Type	RMS Symmetrical kA CSA 22.2 No.5		
	240V AC	480V AC	600V AC
SLD6-B	65	35	25
SHLD6-B	100	65	35
SCLD6-B	200	150	100



Trip Unit Adjustable Functions

Trip Type	Continuous Current Setting	Long Time Delay	Instantaneous Pick Up	Short Time Pick Up	Short Time Fixed Delay	Short Time I ² t Delay	Ground Fault Pick Up	Ground Fault Delay
LI	✓	✓	✓					
LIG	✓	✓	✓				✓	✓
LSI	✓	✓	✓	✓	✓	✓		
LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SLD6-B	1	20
SHLD6-B	1	20
SCLD6-B	1	33

Accessories

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
24		S17JLD6	-
48		S18JLD6	-
120		S01JLD6	S01JLD62A
240		S03JLD6	S03JLD62A
277		S15JLD6	S15JLD64A
480		S04JLD6	-
	12	S16JLD6	S16JLD62A
	24	S07JLD6	S07JLD62A
	48	S09JLD6	S09JLD62A
	125	S11JLD6	S11JLD62A
	250	S13JLD6	S13JLD62A

Lugs for 75°C Wire

Catalog Number	No of Cables per Connector	Wire Range
TA2J6500	1, 2	#3/0-500 kcmil Cu
	2	#4/0-500 kcmil Al
TA1L6750	1	500-750 kcmil Al
	1	500-600 kcmil Cu
TC1J6600	1	#3/0-600 kcmil Cu
TC2J6500	2	#3/0-500 kcmil Cu
Compression Lug		
CCL600	(1 pc.)	500 kcmil Cu/Al

Sentron Sensitrip IV

SMD 800A Frame
With Optional DAS / Maintenance Mode



Interrupting Ratings

Breaker Type	RMS Symmetrical kA CSA 22.2 No.5		
	240V AC	480V AC	600V AC
SMD6-B	65	50	25
SHMD6-B	100	65	50
SCMD6-B	200	100	65

Trip Unit Adjustable Functions

Trip Type	Continuous Current Setting	Long Time Delay	Instantaneous Pick Up	Short Time Pick Up	Short Time Fixed Delay	Short Time I ² t Delay	Ground Fault Pick Up	Ground Fault Delay
LI	✓	✓	✓					
LIG	✓	✓	✓				✓	✓
LSI	✓	✓	✓	✓	✓	✓		
LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SMD6	1	61.5
SHMD6	1	61.5
SCMD6	1	61.5

Accessories

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
120		S01MN6	S01MN64A
208		S02MN6	-
240		S03MN6	S03MN64A
277		S15MN6	S15MN64A
480		S04MN6	S04MN64A
600		S06MN6	-
	12	S16MN6	S16MN64A
	24	S07MN6	S07MN64A
	48	S09MN6	-
	125	S11MN6	S11MN64A
	250	S13MN6	S13MN64A

Lugs for 75°C Wire

Catalog Number	No of Cables per Connector	Wire Range
TA2K500	2	#1-500 kcmil Cu/Al
TA3K500	3	#1-500 kcmil Cu/Al
TC2K500	2	#1-500 kcmil Cu
TC3K350	3	#1-350 kcmil Cu
Kits (3 lugs / kit)		
3TA4N8500	4	250-500 kcmil Cu/Al
3TA4P8500 ①	4	250-500 kcmil Cu/Al
3TA2N8750	2	500-750 kcmil Cu/Al
3TA3N8750	3	500-750 kcmil Cu/Al
Compression Lugs		
CCM800K2	(6 pcs)	500 kcmil Cu/Al
CCM800K3 ①	(9 pcs)	500 kcmil Cu/Al

① For 100% rated breakers, use 3TA4P8500 or CCM800K with 90°C rated wire sized at 75°C ampacity.

Sentron Sensitrip IV

SND 1200A Frame With Optional DAS / Maintenance Mode

Interrupting Ratings

Breaker Type	RMS Symmetrical kA CSA 22.2 No.5		
	240V AC	480V AC	600V AC
SND6-B	65	50	25
SHND6-B	100	65	50
SCND6-B	200	100	65



Trip Unit Adjustable Functions

Trip Type	Continuous Current Setting	Long Time Delay	Instantaneous Pick Up	Short Time Pick Up	Short Time Fixed Delay	Short Time I ² t Delay	Ground Fault Pick Up	Ground Fault Delay
LI	✓	✓	✓					
LIG	✓	✓	✓				✓	✓
LSI	✓	✓	✓	✓	✓	✓		
LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SND6	1	61.5
SHND6	1	61.5
SCND6	1	61.5

Accessories

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
120		S01MN6	S01MN64A
208		S02MN6	-
240		S03MN6	S03MN64A
277		S15MN6	S15MN64A
480		S04MN6	S04MN64A
600		S06MN6	-
	12	S16MN6	S16MN64A
	24	S07MN6	S07MN64A
	48	S09MN6	-
	125	S11MN6	S11MN64A
	250	S12MN6	S13MN64A

Lugs for 75°C Wire

Catalog Number	No. of Cables per Connector	Wire Range
TA2K500	2	#1-500 kcmil Cu/Al
TA3K500	3	#1-500 kcmil Cu/Al
TC2K500	2	#1-500 kcmil Cu
TC3K350	3	#1-350 kcmil Cu
Kits (2 kits required per breaker)		
2TA4P8500	4	250-500 kcmil Cu/Al
3TA4P8500 ^①		
2TA4N8500	4	250-500 kcmil Cu/Al
3TA4N8500		
2TA2N8750	2	500-750 kcmil Cu/Al
3TA2N8750		
2TA3N8750	3	500-750 kcmil Cu/Al
3TA3N8750		
Compression Lugs		
CCN1200K2	(8 pcs)	500 kcmil Cu/Al
CCN1200K3 ^①	(12 pcs)	500 kcmil Cu/Al

^① For 100% rated breakers, use 3TA4P8500 or CCN1200K3 with 90°C rated wire sized at 75°C ampacity.

Sentron Sensitrip IV

SPD 1600A Frame
With Optional DAS / Maintenance Mode

Interrupting Ratings

Breaker Type	RMS Symmetrical kA CSA 22.2 No.5		
	240V AC	480V AC	600V AC
SPD6-B	65	50	25
SHPD6-B	100	65	50



Trip Unit Adjustable Functions

Trip Type	Continuous Current Setting	Long Time Delay	Instantaneous Pick Up	Short Time Pick Up	Short Time Fixed Delay	Short Time I ² t Delay	Ground Fault Pick Up	Ground Fault Delay
LI	✓	✓	✓					
LIG	✓	✓	✓				✓	✓
LSI	✓	✓	✓	✓	✓	✓		
LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SPD6	1	61.5
SHPD6	1	61.5

Accessories

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
120		S01MN6	S01MN64A
208		S02MN6	-
240		S03MN6	S03MN64A
277		S15MN6	S15MN64A
480		S04MN6	S04MN64A
600		S06MN6	-
	12	S16MN6	S16MN64A
	24	S07MN6	S07MN64A
	48	S09MN6	-
	125	S11MN6	S11MN64A
	250	S12MN6	S13MN64A

Lugs for 75°C Wire

Catalog Number	No of Cables per Connector	Wire Range
TA5P600	5	300-600 kcmil Cu/Al
TC5R600	5	300-600 kcmil Cu Only
TA6R600	6	300-600 kcmil Cu/Al