

Ordering Information

Circuit Breaker Catalog Numbers

SMD6 3-Pole, 600V AC

Catalog Number	Max. Cont. Curre Rating	Cont. Current Setting	Long Time Delay	Instantaneous Setting	Short Time Pick Up	Short Time Delay	Short Time I ² t Pick Up	Ground Fault Pick Up	Ground Fault Delay	UL Interrupting Ratings (kA) RMS Symmetrical Amperes							
										Volts AC						Volts DC	
										120	120/24	240	277	480	600	125	250
SMD69600A SMD69700A SMD69800A	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓								65 65 65		50 50 50	25 25 25		
SMD69600AG SMD69700AG SMD69800AG	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓				✓ ✓ ✓	✓ ✓ ✓			65 65 65		50 50 50	25 25 25		
SMD69600ANT SMD69700ANT SMD69800ANT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓					65 65 65		50 50 50	25 25 25		
SMD69600ANGT SMD69700ANGT SMD69800ANGT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓			65 65 65		50 50 50	25 25 25		

SHMD6 3-Pole, 600V AC

SHMD69600A SHMD69700A SHMD69800A	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓								100 100 100		65 65 65	50 50 50		
SHMD69600AG SHMD69700AG SHMD69800AG	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓				✓ ✓ ✓	✓ ✓ ✓			100 100 100		65 65 65	50 50 50		
SHMD69600ANT SHMD69700ANT SHMD69800ANT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓					100 100 100		65 65 65	50 50 50		
SMD69600ANGT SMD69700ANGT SMD69800ANGT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓			100 100 100		65 65 65	50 50 50		

SCMD6 3-Pole, 600V AC

SCMD69600A SCMD69700A SCMD69800A	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓								200 200 200		100 100 100	65 65 65		
SCMD69600AG SCMD69700AG SCMD69800AG	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓				✓ ✓ ✓	✓ ✓ ✓			200 200 200		100 100 100	65 65 65		
SCMD69600ANT SCMD69700ANT SCMD69800ANT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓					200 200 200		100 100 100	65 65 65		
SCMD69600ANGT SCMD69700ANGT SCMD69800ANGT	600 700 800	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓			200 200 200		100 100 100	65 65 65		

Note "G" suffix in catalog number denotes circuit breaker for 3 phase, 3 wire systems For 3 phase, 4 wire, order correct 4th wire (neutral) transformer as separate and additional item For 100% rated breakers, an "H" is added at the end of the normal catalog number add 10% to the breaker list price For 100% rating.

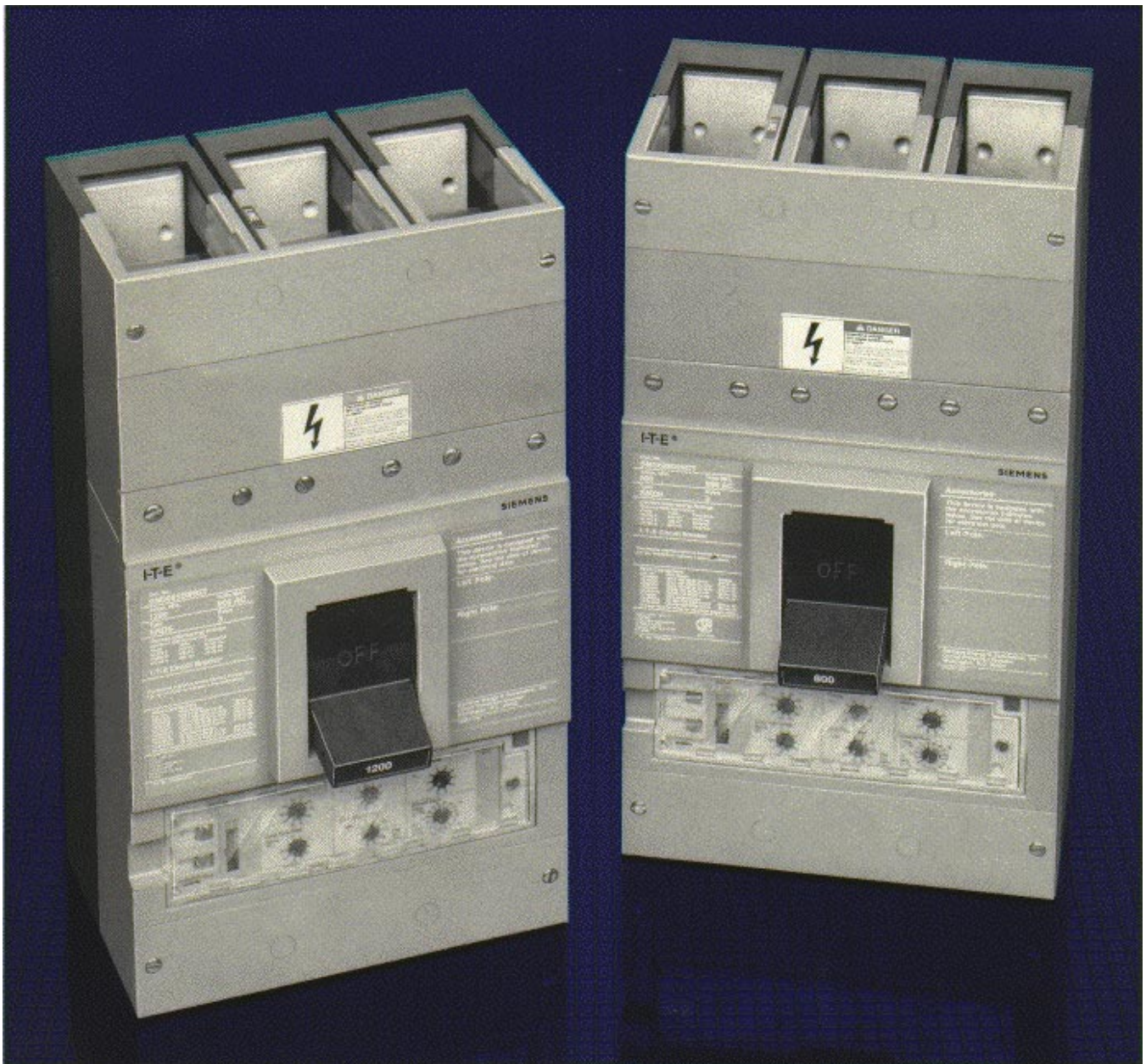
Neutral Transformers

Ampere Rating	Catalog Number
600	NO8SMDA
700	NO7SMDA
800	NO8SMDA

SIEMENS

I-T-E® Molded Case Circuit Breakers

Sensitrip®
MD & ND-Frame
Information and
Instruction Guide



Bulletin SIB2.7-8

I-T-E MD and ND-Frame Circuit Breakers

3-Pole, 600-1200 Amperes

Types SMD6, SND6, SHMD6, SHND6, SCMD6, SCND6
Digital Solid State Circuit Breakers

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Molded Case Circuit Breakers

SMD 800A Frame Digital Solid State Sentron Sensitrip III Series[®]

Selection

Type SMD6

Blue Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SMD69600A■	600	7686.00
SMD69700A■	700	7686.00
SMD69800A■	800	7686.00
SMD69600AG■	600	9134.00
SMD69700AG■	700	9134.00
SMD69800AG■	800	9134.00
SMD69600ANT■	600	7955.00
SMD69700ANT■	700	7955.00
SMD69800ANT■	800	7955.00
SMD69600ANGT■	600	10575.00
SMD69700ANGT■	700	10575.00
SMD69800ANGT■	800	10575.00

Type SHMD6

Black Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHMD69600A■	600	9370.00
SHMD69700A■	700	9370.00
SHMD69800A■	800	9370.00
SHMD69600AG■	600	10785.00
SHMD69700AG■	700	10785.00
SHMD69800AG■	800	10785.00
SHMD69600ANT■	600	9658.00
SHMD69700ANT■	700	9658.00
SHMD69800ANT■	800	9658.00
SHMD69600ANGT■	600	12418.00
SHMD69700ANGT■	700	12418.00
SHMD69800ANGT■	800	12418.00

Current Limiting

Type SCMD6

Red Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCMD69600A■	600	13914.00
SCMD69700A■	700	13914.00
SCMD69800A■	800	13914.00
SCMD69600AG■	600	16582.00
SCMD69700AG■	700	16582.00
SCMD69800AG■	800	16582.00
SCMD69600ANT■	600	15056.00
SCMD69700ANT■	700	15056.00
SCMD69800ANT■	800	15056.00
SCMD69600ANGT■	600	19201.00
SCMD69700ANGT■	700	19201.00
SCMD69800ANGT■	800	19201.00

Ordering Information

Pricing information for all Digital Sentron Series MD frames is for complete breaker only. Price requires lugs or lug kits as separate items. Lugs are suitable for 75°C wire or as noted. Connector wire ranges and cavities are established in conjunction with Table 8.1 of UL 489 standards. Choose actual connector for circuit breakers based on customer requirements.

Recommended Terminal Connectors

Breaker Frame	Ampere Rating	Connector or Connector Kit
MD	500–600	TA2K500
MD	700–800	TA3K500

Types SMD6 and SHMD6 are acceptable for reverse connection applications.

SMD 800A Frame – 100% Rated^①

Type SMD6-H

Blue Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SMD69600AH■	600	8452.00
SMD69700AH■	700	8452.00
SMD69800AH■	800	8452.00
SMD69600AGH■	600	10059.00
SMD69700AGH■	700	10059.00
SMD69800AGH■	800	10059.00
SMD69600ANTH■	600	8818.00
SMD69700ANTH■	700	8818.00
SMD69800ANTH■	800	8818.00
SMD69600ANGTH■	600	11647.00
SMD69700ANGTH■	700	11647.00
SMD69800ANGTH■	800	11647.00

Type SHMD6-H

Black Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHMD69600AH■	600	10310.00
SHMD69700AH■	700	10310.00
SHMD69800AH■	800	10310.00
SHMD69600AGH■	600	11866.00
SHMD69700AGH■	700	11866.00
SHMD69800AGH■	800	11866.00
SHMD69600ANTH■	600	10641.00
SHMD69700ANTH■	700	10641.00
SHMD69800ANTH■	800	10641.00
SHMD69600ANGTH■	600	13674.00
SHMD69700ANGTH■	700	13674.00
SHMD69800ANGTH■	800	13674.00

Current Limiting

Type SCMD6-H

Red Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCMD69600AH■	600	15304.00
SCMD69700AH■	700	15304.00
SCMD69800AH■	800	15304.00
SCMD69600AGH■	600	18250.00
SCMD69700AGH■	700	18250.00
SCMD69800AGH■	800	18250.00
SCMD69600ANTH■	600	16549.00
SCMD69700ANTH■	700	16549.00
SCMD69800ANTH■	800	16549.00
SCMD69600ANGTH■	600	21139.00
SCMD69700ANGTH■	700	21139.00
SCMD69800ANGTH■	800	21139.00

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
All types	1	61.5

Lugs for 75°C Wire^②

Catalog Number	Cables per Lug	Wire Range	List Price \$
TA2K500	2	#1-500 kcmil Cu/Al	64.00
TA3K500	3	#1-500 kcmil Cu/Al	87.00
TC2K500	2	#1-500 kcmil Cu	107.00
TC3K350	3	#1-350 kcmil Cu	135.00

Kits (3 lugs/kits)

Catalog Number	Cables per Lug	Wire Range	List Price \$
3TA4N8500	4	250–500 kcmil Cu/Al	762.00
3TA4P8500	4	250–500 kcmil Cu/Al	754.00
3TA2N8750	2	500–750 kcmil Cu/Al	459.00
3TA3N8750	3	500–750 kcmil Cu/Al	744.00

Each kit contains the following:
3TA4P8500—3 connectors plus 1 NDTs end barrier
3TA3N8750—3 connectors plus 1 NDTs end barrier
3TA2N8750—3 connectors plus 1 NDTs end barrier

Trip Unit Adjustable Functions

Suffix Letter Code	Trip Type	Cont Current Setting	Long Time Delay	Instantaneous Setting	Short Time Pick Up	Short Time Delay	Ground Fault Pick Up	Ground Fault Delay
A	LI	✓	✓	✓				
AG	LIG	✓	✓	✓			✓	✓
ANT	LSI	✓	✓	✓	✓	✓		
ANGT	LSIG	✓	✓	✓	✓	✓	✓	✓

Interrupting Ratings

Breaker Type	RMS Symmetrical kA UL 489 (File E10848)		
	240V AC	480V AC	600V AC
SMD6	65	50	25
SHMD6	100	65	50
SCMD6	200	100	65

Neutral Transformers

Ampere Rating	Catalog Number	List Price \$
600	N06SMDA	378.00
700	N07SMDA	378.00
800	N08SMDA	378.00

Enclosures

Type	Catalog Number	List Price \$
1	MND61	802.00
3R	MND63	1969.00
12	MND612	2578.00
Neutral	W63623	491.00

Note: “G” suffix in catalog number denotes circuit breaker for 3 phase, 3 wire circuits.

For 3 phase, 4 wire, order correct 4th wire (neutral) transformer as separate and additional item.

■ Built to order. Allow 2–3 weeks for delivery.

① For 100% rated breakers, use only TA2N8750 or TA4P8500 lugs.

② For additional information, see **Note: A**, page 17/67.

③ SMD6, SHMD6 and SCMD6 circuit breakers are UL Listed for reverse connection applications.

Accessories pages 17/40 and 17/71 to 17/77