

# Molded Case Circuit Breakers

## SMD 800A Frame Digital Solid State Sentron Sensitrip III Series<sup>®3</sup>

Selection

### Type SMD6

Blue Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SMD69600A■	600	8186.00
SMD69700A■	700	8186.00
SMD69800A■	800	8186.00
SMD69600AG■	600	9728.00
SMD69700AG■	700	9728.00
SMD69800AG■	800	9728.00
SMD69600ANT■	600	8472.00
SMD69700ANT■	700	8472.00
SMD69800ANT■	800	8472.00
SMD69600ANGT■	600	11262.00
SMD69700ANGT■	700	11262.00
SMD69800ANGT■	800	11262.00

### Type SHMD6

Black Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHMD69600A■	600	9979.00
SHMD69700A■	700	9979.00
SHMD69800A■	800	9979.00
SHMD69600AG■	600	11486.00
SHMD69700AG■	700	11486.00
SHMD69800AG■	800	11486.00
SHMD69600ANT■	600	10286.00
SHMD69700ANT■	700	10286.00
SHMD69800ANT■	800	10286.00
SHMD69600ANGT■	600	13225.00
SHMD69700ANGT■	700	13225.00
SHMD69800ANGT■	800	13225.00

### Current Limiting Type SCMD6

Red Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCMD69600A■	600	14818.00
SCMD69700A■	700	14818.00
SCMD69800A■	800	14818.00
SCMD69600AG■	600	17660.00
SCMD69700AG■	700	17660.00
SCMD69800AG■	800	17660.00
SCMD69600ANT■	600	16035.00
SCMD69700ANT■	700	16035.00
SCMD69800ANT■	800	16035.00
SCMD69600ANGT■	600	20449.00
SCMD69700ANGT■	700	20449.00
SCMD69800ANGT■	800	20449.00

### 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<sup>①</sup>

#### Type SMD6-H

Blue Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SMD69600AH■	600	9001.00
SMD69700AH■	700	9001.00
SMD69800AH■	800	9001.00
SMD69600AGH■	600	10713.00
SMD69700AGH■	700	10713.00
SMD69800AGH■	800	10713.00
SMD69600ANTH■	600	9391.00
SMD69700ANTH■	700	9391.00
SMD69800ANTH■	800	9391.00
SMD69600ANGTH■	600	12404.00
SMD69700ANGTH■	700	12404.00
SMD69800ANGTH■	800	12404.00

#### Type SHMD6-H

Black Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHMD69600AH■	600	10980.00
SHMD69700AH■	700	10980.00
SHMD69800AH■	800	10980.00
SHMD69600AGH■	600	12637.00
SHMD69700AGH■	700	12637.00
SHMD69800AGH■	800	12637.00
SHMD69600ANTH■	600	11333.00
SHMD69700ANTH■	700	11333.00
SHMD69800ANTH■	800	11333.00
SHMD69600ANGTH■	600	14563.00
SHMD69700ANGTH■	700	14563.00
SHMD69800ANGTH■	800	14563.00

### Current Limiting Type SCMD6-H

Red Label		
3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCMD69600AH■	600	16299.00
SCMD69700AH■	700	16299.00
SCMD69800AH■	800	16299.00
SCMD69600AGH■	600	19436.00
SCMD69700AGH■	700	19436.00
SCMD69800AGH■	800	19436.00
SCMD69600ANTH■	600	17625.00
SCMD69700ANTH■	700	17625.00
SCMD69800ANTH■	800	17625.00
SCMD69600ANGTH■	600	22513.00
SCMD69700ANGTH■	700	22513.00
SCMD69800ANGTH■	800	22513.00

### Shipping Weights

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

### Lugs for 75°C Wire<sup>②</sup>

Catalog Number	Cables per Lug	Wire Range	List Price \$
TA2K500	2	#1-500 kcmil Cu/Al	68.00
TA3K500	3	#1-500 kcmil Cu/Al	93.00
TC2K500	2	#1-500 kcmil Cu	114.00
TC3K350	3	#1-350 kcmil Cu	144.00

#### Kits (3 lugs/kit)

3TA4N8500	4	250-500 kcmil Cu/Al	812.00
3TA4P8500	4	250-500 kcmil Cu/Al	803.00
3TA2N8750	2	500-750 kcmil Cu/Al	489.00
3TA3N8750	3	500-750 kcmil Cu/Al	792.00

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

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 Use 2-3TA4P8500 for 3-pole. These kits are rated for 90°C wire. 90°C Cu only cable must be used, and sized per 75°C ampacity.  
 ② For additional information, see Note: A, page 6-73.  
 ③ SMD6, SHMD6 and SCMD6 circuit breakers are UL Listed for reverse connection applications.

### Neutral Transformers

Ampere Rating	Catalog Number	List Price \$
600	N06SMDA	403.00
700	N07SMDA	403.00
800	N08SMDA	403.00

### Enclosures

Type	Catalog Number	List Price \$
1	MND61	854.00
3R	MND63	2097.00
12	MND612	2746.00
Neutral	W63623	577.00

Enclosures Section 5  
 Accessories pages 6-46 and 6-78 to 6-83