

Molded Case Circuit Breakers

SMD 800A Frame Digital Solid State Sentron Sensitrip III Series

Selection

Type SMD6

Blue Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SMD69600A	600
SMD69700A	700
SMD69800A	800
SMD69600AG	600
SMD69700AG	700
SMD69800AG	800
SMD69600ANT	600
SMD69700ANT	700
SMD69800ANT	800
SMD69600ANGT	600
SMD69700ANGT	700
SMD69800ANGT	800

Type SHMD6

Black Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SHMD69600A	600
SHMD69700A	700
SHMD69800A	800
SHMD69600AG	600
SHMD69700AG	700
SHMD69800AG	800
SHMD69600ANT	600
SHMD69700ANT	700
SHMD69800ANT	800
SHMD69600ANGT	600
SHMD69700ANGT	700
SHMD69800ANGT	800

Current Limiting

Type SCMD6-A

Red Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SCMD69600A	600
SCMD69700A	700
SCMD69800A	800
SCMD69600AG	600
SCMD69700AG	700
SCMD69800AG	800
SCMD69600ANT	600
SCMD69700ANT	700
SCMD69800ANT	800
SCMD69600ANGT	600
SCMD69700ANGT	700
SCMD69800ANGT	800

Ordering Information

Pricing information for all Digital Sentron Series MD and ND 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 6.1.4.2.1 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
ND	800	TA3K500
ND	900–1200 (kit)	3TA4N8500

Types SMD6, SHMD6, SMD6, SHMD6 are acceptable for reverse connection applications.

Shipping Weights

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

Lugs for 75°C Wire^②

Catalogue Number	Cables per Lug	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	4	250–500 kcmil Cu/Al
3TA2N8750	2	500–750 kcmil Cu/Al
3TA3N8750	3	500–750 kcmil Cu/Al

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

Neutral Transformers

Ampere Rating	Catalogue Number
600	N06SMDA
700	N07SMDA
800	N08SMDA

SMD 800A Frame – 100% Rated^①

Type SMD6

Blue Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SMD69600AH	600
SMD69700AH	700
SMD69800AH	800
SMD69600AGH	600
SMD69700AGH	700
SMD69800AGH	800
SMD69600ANTH	600
SMD69700ANTH	700
SMD69800ANTH	800
SMD69600ANGTH	600
SMD69700ANGTH	700
SMD69800ANGTH	800

Type SHMD6

Black Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SHMD69600AH	600
SHMD69700AH	700
SHMD69800AH	800
SHMD69600AGH	600
SHMD69700AGH	700
SHMD69800AGH	800
SHMD69600ANTH	600
SHMD69700ANTH	700
SHMD69800ANTH	800
SHMD69600ANGTH	600
SHMD69700ANGTH	700
SHMD69800ANGTH	800

Current Limiting

Type SCMD6-A

Red Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SCMD69600AH	600
SCMD69700AH	700
SCMD69800AH	800
SCMD69600AGH	600
SCMD69700AGH	700
SCMD69800AGH	800
SCMD69600ANTH	600
SCMD69700ANTH	700
SCMD69800ANTH	800
SCMD69600ANGTH	600
SCMD69700ANGTH	700
SCMD69800ANGTH	800

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 catalogue 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.

- ① Use 2-3TA4P8500 for 3-pole. These kits are rated for 90°C wire. 90°C Cu cable must be used, and sized per 75°C ampacity.
- ② For additional information, see Note: A, page 5-64.
- ③ SMD6, SHMD6 and SCMD6 circuit breakers are UL Listed for reverse connection applications.

Accessories page 5-68