

Sentron Molded Case Circuit Breakers

ND 1200A Frame, Sentron Series

Selection

Type NXD6^{①⑧}

Blue Label

Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)				
Continuous Current Rating @ 40°C	2-Pole 600V AC 250V DC		3-Pole 600V AC 500V DC	
	Catalog Number	List Price \$	Catalog Number	List Price \$
900	NXD62B900■		NXD63B900	
1000	NXD62B100■		NXD63B100	
1200	NXD62B120■		NXD63B120	

Type ND6^⑧

Blue Label

Interchangeable Trip						
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$

2-Pole 600V AC, 250V DC^②

800	ND62B800■				MD62T800■	
900	ND62B900■				ND62T900■	
1000	ND62B100■		ND62F120		ND62T100■	
1200	ND62B120				ND62T120	

3-Pole 600V AC, 500V DC^③

800	ND63B800				MD63T800	
900	ND63B900				ND63T900	
1000	ND63B100		ND63F120		ND63T100	
1200	ND63B120				ND63T120	

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)									
	UL 489 A IR					IEC 947-2				
	Volts AC			Volts DC		Volts AC (50/60HZ)				
	240	480	600	250	500 ^④	220/240	380/415	500		
						(lcu)	(lcs)	(lcu)	(lcs)	(lcs)
ND6, NXD6	65	50	25	30 (2-P)	25 (3-P)	65	33	40	20	30
HND6, HNXD6	100	65	50	30 (2-P)	50 (3-P)	100	50	65	33	42
CND6	200	100	65	—	50 (3-P)	200	100	100	50	65

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values							
	±20% Tolerance Low	2	3	4	5	6	7	±20% Tolerance High
800	4000	4570	5140	5710	6280	6850	7420	8000
900-1200	5000	5715	6430	7145	7860	8575	9290	10000

Ordering Information

Complete Breaker Unassembled with Lugs

Prices of ND6 and HND6 breakers include frame, trip, and both line and load lugs (3TA4N8500). These catalog numbers are the frame, trip and lugs separately packaged. For applications requiring different lugs, order individual items as needed.

Complete Breaker Assembled without Lugs

Prices of NXD6, HNXD6, and CND6 include frame with non-interchangeable trip units installed only. Order required terminal connectors separately. For line and load lugs (3TA4N8500) installed, add suffix "L" to catalog number (add 2 times list price of lug kit).

100% Rated (3-Pole only)^⑦

Types NXD6, HNXD6 and CND6 breakers are available with 100% ratings. To order, add suffix "H" to catalog number, and add 10% to list price. 100% rated ND breakers require 90°C Cu cable sized at 75°C ampacity and lug kit 3TA4P8500 or 3TA3N8750.

50°C Applications see page 17/110.

400Hz Applications see page 17/110.

Lugs^⑥

Catalog Number	Cables per Lug	Wire Range	List Price \$
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 ^⑧	4	250-500 kcmil Cu/Al	
3TA4P8500 ^⑧			
2TA4N8500 ^⑧	4	250-500 kcmil Cu/Al	
3TA4N8500 ^⑧			
2TA2N8750	2	500-750 kcmil Cu/Al	
3TA2N8750			
2TA3N8750	3	500-750 kcmil Cu/Al	
3TA3N8750			

Enclosures

Type	Catalog Number	List Price \$
1	MND61	
3R	MND63	
12	MND612■	
Neutral	W63623	

Modifications page 17/110
Accessories pages 17/87 and 17/103 to 17/108

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

①NXD6 circuit breakers are UL listed for reverse connection applications.

②2-pole units available in 3-pole width only.

③When wired as shown on page 17/5, this circuit breaker is UL listed and rated for use on 500VDC ungrounded UPS systems only.

④Use 2 – 3TA4P8500 kits for 3-pole, or 2 – 2TA4P8500 kits for 2-pole. Use for 100% rated breakers.

⑤Use 2 – 3TA4N8500 for 3-pole or 2 – 2TA4N8500 for 2-pole. Rated for 75°C cable.

⑥See **Note: A**, page 17/100.

⑦80% rated breakers with the CE mark will also be marked in the 100% rated version.

⑧HACR rated.

Note: ND frame qualified to UL489 supplement B "NAVAL".

See page 17/110 for additional information.

Sentron Molded Case Circuit Breakers

ND 1200A Frame, Sentron Series

Selection/Dimensions

Type HNXD6^{①④}

Black Label

Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)			
Continuous Current Rating @ 40°C	2-Pole	3-Pole	
	600V AC/250V DC	600V AC/500V DC	
		Catalog Number	List Price \$
900	For 2-pole application use outside poles of 3-pole circuit breaker	HNXD63B900	
1000		HNXD63B100	
1200		HNXD63B120	

Type HND6^④

Black Label

Interchangeable Trip						
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$

2-Pole 600V AC, 250V DC^②

800	For 2-pole application use outside poles of 3-pole circuit breaker
900	
1000	
1200	

3-Pole 600V AC, 500V DC^③

800	HND63B800	HND63F120	MD63T800
900	HND63B900		MD63T900
1000	HND63B100		MD63T100
1200	HND63B120		MD63T120

Type CND6^{①④}

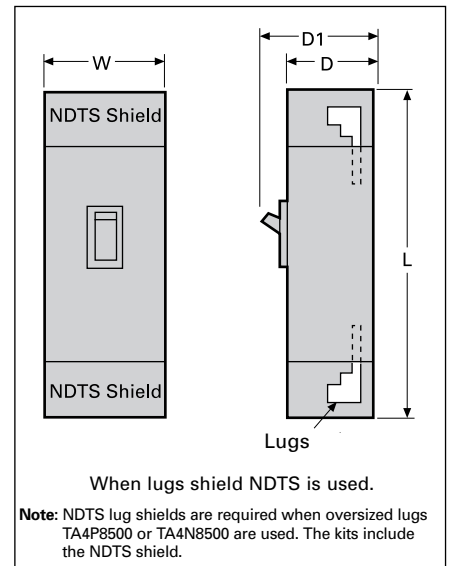
Fuseless Current Limiting

Red Label

Non-Interchangeable Trip (Assembled Circuit Breaker)			
Continuous Current Rating @ 40°C	2-Pole	3-Pole	
		Catalog Number	List Price \$
900	For 2-pole application, use outside poles of 3-pole circuit breaker	CND63B900■	
1000		CND63B100	
1200		CND63B120	

Shipping Weights

Number of Poles	Number per Carton	Shipping Weight (lbs.)
ND6, HND6, NXD6, HNXD6, CND6 Assembled Breaker (less terminals)		
2	1	53
3	1	61.5
ND6, HND6 Frame Only		
2	1	42.25
3	1	46
ND6, HND6 Trip Unit Only		
2	1	4.5
3	1	6.5



Dimensions (in inches)

Breaker Type	W	L	D	D1
ND6, NXD6, HND6, HNXD6, CND6, SND6, SHND6, and SCND6	9	16	6	8.25
with NDTS lug shield	9	24	6	8.25

For inches / millimeters conversion, see Application Data section.

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

① HNXD6 and CND6 circuit breakers are UL Listed for reverse connection applications.

② 2-pole units available in 3-pole width only.

③ When wired as shown on page 17/5, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.

④ HACR rated.

Sentron Molded Case Circuit Breakers

SND 1200A Frame, Digital Solid State Sentron Sensitrip III Series[®]

Selection

Type SND6

Blue Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SND69800A■	800	
SND69100A■	1000	
SND69120A■	1200	
SND69800AG■	800	
SND69100AG■	1000	
SND69120AG■	1200	
SND69800ANT■	800	
SND69100ANT■	1000	
SND69120ANT■	1200	
SND69800ANGT■	800	
SND69100ANGT■	1000	
SND69120ANGT■	1200	

Type SHND6

Black Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHND69800A■	800	
SHND69100A■	1000	
SHND69120A■	1200	
SHND69800AG■	800	
SHND69100AG■	1000	
SHND69120AG■	1200	
SHND69800ANT■	800	
SHND69100ANT■	1000	
SHND69120ANT■	1200	
SHND69800ANGT■	800	
SHND69100ANGT■	1000	
SHND69120ANGT■	1200	

Current Limiting

Type SCND6

Red Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCND69800A■	800	
SCND69100A■	1000	
SCND69120A■	1200	
SCND69800AG■	800	
SCND69100AG■	1000	
SCND69120AG■	1200	
SCND69800ANT■	800	
SCND69100ANT■	1000	
SCND69120ANT■	1200	
SCND69800ANGT■	800	
SCND69100ANGT■	1000	
SCND69120ANGT■	1200	



SND 1200A Frame – 100% Rated^①

Type SND6-H

Blue Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SND69800AH■	800	
SND69100AH■	1000	
SND69120AH■	1200	
SND69800AGH■	800	
SND69100AGH■	1000	
SND69120AGH■	1200	
SND69800ANTH■	800	
SND69100ANTH■	1000	
SND69120ANTH■	1200	
SND69800ANGTH■	800	
SND69100ANGTH■	1000	
SND69120ANGTH■	1200	

Type SHND6-H

Black Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHND69800AH■	800	
SHND69100AH■	1000	
SHND69120AH■	1200	
SHND69800AGH■	800	
SHND69100AGH■	1000	
SHND69120AGH■	1200	
SHND69800ANTH■	800	
SHND69100ANTH■	1000	
SHND69120ANTH■	1200	
SHND69800ANGTH■	800	
SHND69100ANGTH■	1000	
SHND69120ANGTH■	1200	

Current Limiting

Type SCND6-H

Red Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCND69800AH■	800	
SCND69100AH■	1000	
SCND69120AH■	1200	
SCND69800AGH■	800	
SCND69100AGH■	1000	
SCND69120AGH■	1200	
SCND69800ANTH■	800	
SCND69100ANTH■	1000	
SCND69120ANTH■	1200	
SCND69800ANGTH■	800	
SCND69100ANGTH■	1000	
SCND69120ANGTH■	1200	

Trip Unit Adjustable Functions

Suffix Letter Code	Trip Type	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
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
SND6	65	50	25
SHND6	100	65	50
SCND6	200	100	65

Neutral Transformers

Ampere Rating	Catalog Number	List Price \$
800	N08SMDA	
1000	N10SMDA	
1200	N12SMDA	

For inches / millimeters conversion, see Application Data section.

For ordering information and terminal connectors, and enclosures, see page 17/81.

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 SND6, SHND6 and SCND6 circuit breakers are UL Listed for reverse connection applications.