

Sentron Molded Case Circuit Breakers

LD 600A Frame, Sentron Series

Selection

Type LXD6-A^{①④}

Blue Label

Non-Interchangeable Trip (Assembled Circuit Breaker without Lugs)				
Continuous Current Rating @ 40°C	2-Pole (3-Pole Width)		3-Pole	
	600V AC	250V DC	600V AC	500V DC
	Catalog Number	List Price \$	Catalog Number	List Price \$
450	LXD62B450■		LXD63B450	
500	LXD62B500■		LXD63B500	
600	LXD62B600		LXD63B600	

Type LD6-A^④

Blue Label

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

2-Pole 600V AC, 250V DC (3-Pole Width)

250	LD62B250■				JD62T250■	
300	LD62B300■				JD62T300■	
350	LD62B350■				JD62T350■	
400	LD62B400				JD62T400	
450	LD62B450■				LD62T450■	
500	LD62B500■				LD62T500■	
600	LD62B600				LD62T600	

3-Pole 600V AC, 500V DC^②

250	LD63B250				JD63T250	
300	LD63B300				JD63T300	
350	LD63B350				JD63T350	
400	LD63B400				JD63T400	
450	LD63B450				LD63T450	
500	LD63B500				LD63T500	
600	LD63B600				LD63T600	

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)						IEC 947-2					
	UL 489 AIR (File E10848)						IEC 947-2					
	Volts AC (50/60Hz)			Volts DC			Volts AC (50/60Hz)					
	240	480	600	250	500 ^③		220/240	380/415	500			
							(Icu)	(Ics)	(Icu)	(Ics)	(Icu)	(Ics)
LD6-A, LXD6-A	65	35	25	30 (2-P)	25 (3-P)		65	33	40	20	30	15
HLD6-A, HLXD6-A	100	65	35	30 (2-P)	35 (3-P)		100	50	65	33	42	21
HHL6-A, HHLXD6	200	100	50	—	—		200	100	100	50	65	33
CLD6-A	200	150	100	—	50 (3-P)		—	—	—	—	—	—

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values							
	±20% Tolerance Low	2	3	4	5	6	7	±20% Tolerance High
250-300	1250	1430	1610	1790	1960	2140	2320	2500
350-450	2000	2290	2570	2860	3140	3430	3710	4000
500-600	3000	3430	3800	4290	4710	5140	5570	6000

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

① Type LXD6A circuit breakers are UL Listed for reverse fed applications.

② 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.

③ See Note: A, page 17/100.

④ HACR rated.

Note: LD frame qualified to UL489 supplement SB "NAVAL". See page 17/110 for additional information.

Modifications page 17/110
Accessories pages 17/77 and 17/103 to 17/108

Ordering Information

Complete Breaker Unassembled with Lugs

Prices of LD6, HLD6, and HHL6 breakers include frame, trip, and both line and load lugs (TA2J6500). When ordered by these catalog numbers, the customer will receive the frame, trip and lugs separately packaged. For applications requiring different lugs, order individual items as needed.

Complete Breaker Assembled without Lugs

Prices of LXD6, HLXD6, HHLXD6, and CLD6 include frame with non-interchangeable trip unit installed only. Order required lugs separately. For line and load lugs (TA2J6500) installed, add suffix "L" to catalog number (add 2 times list price of lugs for each pole).

100% Rated

Types LXD6 and HLXD6 breakers are available with 100% ratings. To order add suffix "H" to catalog number, and 10% to list price. 100% rated LD breakers require the use of 90°C Cu cable sized at 75°C ampacity and lugs TC1J6600 or TC2J6500.

50°C Applications see page 17/110.

400Hz Applications see page 17/110.

Shipping Weights

Number of Poles	Number per Carton	Shipping Weight (lbs.)
LXD6, LD6, HLD6, HHL6 Assembled Breaker (less terminals)		
2	1	17.5
3	1	19.5
LD6, HLD6, HHL6 Frame Only		
2	1	14
3	1	15.5
LD6, HHL6 Trip Unit Only		
2	1	3.5
3	1	4
CLD6 Complete Assembled Breaker (less terminals)		
2	1	29.5
3	1	31.5

Lugs For 75°C Wire^③

Catalog Number	Cables per Lug	Wire Range	List Price \$
TA2J6500	1, 2	#3/0 500 kcmil Cu #4/0 500 kcmil Al	
TC2J6500	2	#3/0-500 kcmil Cu	
TA1L6750	1	500-750 kcmil Al	
TC1J6600	1	500-600 kcmil Cu	
Compression Lug			
CCL600	1	500 kcmil Cu/Al	

Sentron Molded Case Circuit Breakers

LD 600A Frame, Sentron Series

Selection/Dimensions

Type HLD6-A, HLXD6-A^{②③⑥}

Black Label

Interchangeable Trip						
Continuous Current Rating @ 40°C	Complete Breaker Unassembled w/Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
2-Pole 600V AC, 250V DC (3-Pole Width)						
250	HLD62B250■		HLD62F600■		JD62T250■	
300	HLD62B300■				JD62T300■	
350	HLD62B350■				JD62T350■	
400	HLD62B400■				JD62T400■	
450	HLD62B450■				LD62T450■	
500	HLD62B500■				LD62T500■	
600	HLD62B600■				LD62T600■	

3-Pole 600V AC, 500V DC^{①⑤}

250	HLD63B250■		HLD63F600■		JD63T250■	
300	HLD63B300■				JD63T300■	
350	HLD63B350■				JD63T350■	
400	HLD63B400■				JD63T400■	
450	HLD63B450■				LD63T450■	
500	HLD63B500■				LD63T500■	
600	HLD63B600■				LD63T600■	

Type HHLD6, HHLXD6^{②③⑥}

2-Pole 600V AC (3-Pole Width)

Black Label

250	HHL62B250■		HHL62F600■		JD62T250■	
300	HHL62B300■				JD62T300■	
350	HHL62B350■				JD62T350■	
400	HHL62B400■				JD62T400■	
450	HHL62B450■				HHL62T450■	
500	HHL62B500■				HHL62T500■	
600	HHL62B600■				HHL62T600■	

3-Pole 600V AC

250	HHL63B250■		HHL63F600■		JD63T250■	
300	HHL63B300■				JD63T300■	
350	HHL63B350■				JD63T350■	
400	HHL63B400■				JD63T400■	
450	HHL63B450■				HHL63T450■	
500	HHL63B500■				HHL63T500■	
600	HHL63B600■				HHL63T600■	

Type CLD6-A^{③⑥}

Fuseless Current Limiting

Red Label

Non-Interchangeable Trip (Assembled Circuit Breaker)				
Continuous Current Rating @ 40°C	2-Pole		3-Pole	
	600V AC/250V DC		600V AC/500V DC	
			Catalog Number	List Price \$
450	For 2-pole application use outside poles of 3-pole circuit breaker		CLD63B450■	
500			CLD63B500■	
600			CLD63B600■	

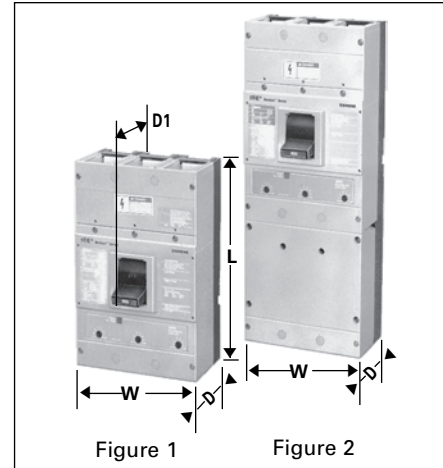


Figure 1

Figure 2

Dimensions (in inches)

Breaker Type	W	L	D	To Handle D1
Figure 1 LXD6-A, LD6-A HLD6-A HHL6-A, HHLXD6, LXD6-ETI [®] , SLD6, SHLD6	7.5	11	4	5.44
Figure 2 CLD6, CLD6-ETI [®] , SCLD6	7.5	17.86	4	5.44

Enclosures: (except SCLD6)

Type	Catalog Number	List Price \$
1	LD6N1	
3R	LD6N3R	
12	LD6N12	
4X	LD6SS4	
7,9	ED6	
Neutral	W60993	

For inches / millimeters conversion, see Application Data section.

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

① 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.

② For complete assembled 3-pole HLD6 or HHL6 type circuit breaker change the prefix identifier HLD6 or

HHL6 to HHLXD6 or HHL6. Price is sum of frame and trip units prices, e.g. price of HHLXD63B400 is the price of HLD63F600 plus the price of LD63T600. Order the terminal connectors separately.■

③ Type HHLXD6, HHL6, & CLD6 Circuit Breakers are UL Listed for reverse feed applications.

④ LXD6-ETI, CLD6-ETI see page 17/88 for ordering information.

⑤ CE Applies to non-interchangeable type HHLXD6 only.

⑥ HACR rated.

Sentron Molded Case Circuit Breakers

SLD 600A Frame, Digital Solid State Sentron Sensitrip III Series

Selection

Type SLD6-A

Blue Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SLD69300■	300	
SLD69400■	400	
SLD69500■	500	
SLD69600■	600	
SLD69300G■	300	
SLD69400G■	400	
SLD69500G■	500	
SLD69600G■	600	
SLD69300NT■	300	
SLD69400NT■	400	
SLD69500NT■	500	
SLD69600NT■	600	
SLD69300NGT■	300	
SLD69400NGT■	400	
SLD69500NGT■	500	
SLD69600NGT■	600	

Type SHLD6-A

Black Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SHLD69300■	300	
SHLD69400■	400	
SHLD69500■	500	
SHLD69600■	600	
SHLD69300G■	300	
SHLD69400G■	400	
SHLD69500G■	500	
SHLD69600G■	600	
SHLD69300NT■	300	
SHLD69400NT■	400	
SHLD69500NT■	500	
SHLD69600NT■	600	
SHLD69300NGT■	300	
SHLD69400NGT■	400	
SHLD69500NGT■	500	
SHLD69600NGT■	600	

Current Limiting Type SCLD6-A

Red Label

3-Pole, 600V AC		
Catalog Number	Max Current Rating	List Price \$
SCLD69300■	300	
SCLD69400■	400	
SCLD69500■	500	
SCLD69600■	600	
SCLD69300G■	300	
SCLD69400G■	400	
SCLD69500G■	500	
SCLD69600G■	600	
SCLD69300NT■	300	
SCLD69400NT■	400	
SCLD69500NT■	500	
SCLD69600NT■	600	
SCLD69300NGT■	300	
SCLD69400NGT■	400	
SCLD69500NGT■	500	
SCLD69600NGT■	600	

Ordering Information

Pricing information for all Digital Sentron Series SLD frames is for complete breaker only – price required lugs as separate items – lugs are suitable for 75° C wire.

SLD6 and SCLD6 are suitable for reverse connection application.

SHLD6 are not suitable for reverse connection application.

Shipping Weights

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

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
None	LI	✓	✓	✓					
G	LIG	✓	✓	✓				✓	✓
NT	LSI	✓	✓	✓	✓	✓	✓		
NGT	LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Neutral Transformers

Ampere Rating	Catalog Number	List Price \$
300	N03SJD	
400	N04SJD	
500	N05SLD	
600	N06SLD	

Interrupting Ratings

Breaker Type	RMS Symmetrical kA UL 489 (File E10848)		
	240V AC	480V AC	600V AC
SLD6-A	65	35	25
SHLD6-A	100	65	35
SCLD6-A	200	150	100

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.

For ordering information and terminal connectors see page 17/72; for enclosures, see page 17/73.

100% Rated – Not available in SLD6 Frame.

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