

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 \$	Catalog Number
450	LXD62B450	4376.00	LXD63B450	5456.00	
500	LXD62B500	4376.00	LXD63B500	5456.00	
600	LXD62B600	4376.00	LXD63B600	5456.00	

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)

Continuous Current Rating @ 40°C	Catalog Number	List Price \$	Frame Only Catalog Number	Frame Only List Price \$	Trip Unit Only Catalog Number	Trip Unit Only List Price \$
250	LD62B250	4488.00	LD62F600	2714.00	JD62T250	1662.00
300	LD62B300	4488.00			JD62T300	1662.00
350	LD62B350	4488.00			JD62T350	1662.00
400	LD62B400	4488.00			JD62T400	1662.00
450	LD62B450	4488.00			LD62T450	1662.00
500	LD62B500	4488.00			LD62T500	1662.00
600	LD62B600	4488.00			LD62T600	1662.00

3-Pole 600V AC, 500V DC^②

Continuous Current Rating @ 40°C	Catalog Number	List Price \$	Frame Only Catalog Number	Frame Only List Price \$	Trip Unit Only Catalog Number	Trip Unit Only List Price \$
250	LD63B250	5624.00	LD63F600	3605.00	JD63T250	1851.00
300	LD63B300	5624.00			JD63T300	1851.00
350	LD63B350	5624.00			JD63T350	1851.00
400	LD63B400	5624.00			JD63T400	1851.00
450	LD63B450	5624.00			LD63T450	1851.00
500	LD63B500	5624.00			LD63T500	1851.00
600	LD63B600	5624.00			LD63T600	1851.00

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)										
	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
						(lcs)	(lcs)	(lcs)	(lcs)	(lcs)	(lcs)
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
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 17/3, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.

③ See Note: A, page 17/67.

④ HACR rated.

Note: LD frame qualified to UL489 supplement SB "NAVAL". See page 17/70 for additional information.

Modifications page 17/70
Accessories pages 17/33 and 17/71 to 17/77

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 and lugs TC1J6600 or TC2J6500.

50°C Applications see page 17/70.

400Hz Applications see page 17/70.

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	28.00
TC2J6500	2	#3/0-500 kcmil Cu	68.00
TA1L6750	1	500-750 kcmil Al	68.00
	1	500-600 kcmil Cu	
TC1J6600	1	#3/0-600 kcmil Cu	69.00
Compression Lug			
CCL600	1	500 kcmil Cu/Al	134.00

Molded Case Circuit Breakers

LD 600A Frame Sentron Series

Selection

Type HLD6-A, HLXD6-A^{②③④}

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■	5868.00	HLD62F600■	4094.00	JD62T250■	1662.00
300	HLD62B300■	5868.00			JD62T300■	1662.00
350	HLD62B350■	5868.00			JD62T350■	1662.00
400	HLD62B400■	5868.00			JD62T400■	1662.00
450	HLD62B450■	5868.00			LD62T450■	1662.00
500	HLD62B500■	5868.00			LD62T500■	1662.00
600	HLD62B600■	5868.00			LD62T600■	1662.00

3-Pole 600V AC, 500V DC^{①⑤}

250	HLD63B250■	7465.00	HLD63F600■	5446.00	JD63T250■	1851.00
300	HLD63B300■	7465.00			JD63T300■	1851.00
350	HLD63B350■	7465.00			JD63T350■	1851.00
400	HLD63B400■	7465.00			JD63T400■	1851.00
450	HLD63B450■	7465.00			LD63T450■	1851.00
500	HLD63B500■	7465.00			LD63T500■	1851.00
600	HLD63B600■	7465.00			LD63T600■	1851.00

Type HHL6, HHLXD6^{②③④}

2-Pole 600V AC (3 Pole Width)

Black Label

250	HHL62B250■	7318.00	HHL62F600■	5544.00	JD62T250■	1662.00
300	HHL62B300■	7318.00			JD62T300■	1662.00
350	HHL62B350■	7318.00			JD62T350■	1662.00
400	HHL62B400■	7318.00			JD62T400■	1662.00
450	HHL62B450■	7318.00			HHL62T450■	1662.00
500	HHL62B500■	7318.00			HHL62T500■	1662.00
600	HHL62B600■	7318.00			HHL62T600■	1662.00

3-Pole 600V AC

250	HHL63B250■	8864.00	HHL63F600■	6845.00	JD63T250■	1851.00
300	HHL63B300■	8864.00			JD63T300■	1851.00
350	HHL63B350■	8864.00			JD63T350■	1851.00
400	HHL63B400■	8864.00			JD63T400■	1851.00
450	HHL63B450■	8864.00			HHL63T450■	1851.00
500	HHL63B500■	8864.00			HHL63T500■	1851.00
600	HHL63B600■	8864.00			HHL63T600■	1851.00

Type CLD6-A^{③④}

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 \$	Catalog Number	List Price \$
450	For 2-pole application use outside poles of 3-pole circuit breaker		CLD63B450■	11666.00
500			CLD63B500■	11666.00
600			CLD63B600■	11666.00

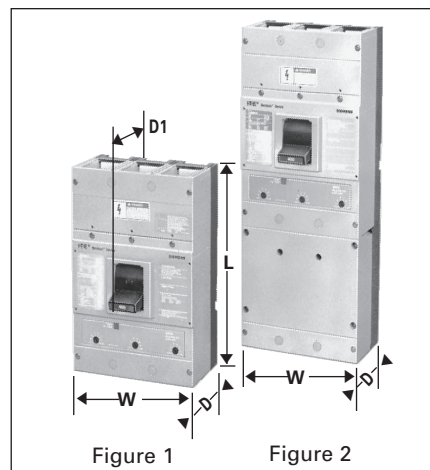


Figure 1

Figure 2

Dimensions (in inches)

Breaker Type	W	L	D	To Handle D1
Figure 1 LXD6-A, LD6-A HLD6-A, HHLXD6, LXD6-ETI ^⑥ , SLD6, SHLD6	7.5	11	4	5.44
Figure 2 CLD6, CLD6-ETI ^⑥ , SCLD6	7.5	17.86	4	5.44

Enclosures: (except SCLD6)

Type	Catalog Number	List Price \$
1	LD6N1	402.00
3R	LD6N3R	1447.00
12	LD6N12	875.00
4X	LD6SS4	6211.00
7,9	ED6	10131.00
Neutral	W60993	353.00

For inches / millimeters conversion, see Application Data section

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

④ When wired as shown on page 17/3, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.

⑤ For complete assembled 3 pole HLD6 or HHL6 type circuit breaker change the prefix identifier HLD6 or HHL6 to HLXD6 or HHLXD6. Price is sum of frame and trip units prices, e.g. price of HLXD6B400 is the price of HLD63F600 plus the price of LD63T600. Order the terminal connectors separately.■

③ Type HLXD6, HHLXD6, & CLD6 Circuit Breakers are UL Listed for reverse feed applications.

④ LXD6-ETI, CLD6-ETI see page 17/52 for ordering information.

⑥ CE Applies to non-interchangeable type HLXD only.

⑦ HACR rated.

Catalog Numbering System

If used on 250A frame and above means non-interchangeable trip breaker with factory assembled frame and trip. Solid state trip and current limiting (S or C in first character) are non-interchangeable only, and the "X" is omitted.



Trip Unit Type

- Omitted – Thermal-Magnetic
- S — Sensitrip® Electronic Trip

Sentron Series Type/Interrupting Range

- Omitted – Standard Rating
- H — High IC Rating
- HH — Extra High IC Rating
- C — Highest IC Rating and Current Limiting

Frame Identifier

- | | |
|---------------|-------------|
| E — Type ED | M — Type MD |
| F — Type FD | N — Type ND |
| J — Type JD | P — Type PD |
| L — Type LD | R — Type RD |
| LM — Type LMD | T — Type TD |

Maximum Voltage

- 2 — 240 Vac
- 4 — 480 Vac
- 6 — 600 Vac

Number of Poles

- 1
- 2
- 3
- 9 used to indicate the max. functions for an electronic trip circuit breaker (always 3 poles)

(Specific Application Type)

- B — Standard 40°C Breaker
- M — Calibrated for 50°C Application
- F — Frame Only
- T — 40°C Trip Unit Only
- W — 50°C Trip Unit Only
- S — Molded Case Switch
- L — Low Instantaneous Range ETI Breaker
- A — Standard Range ETI Breaker
- H — High Instantaneous Range ETI Breaker

Maximum Continuous Current Rating

- ED Frame — 015, 020, 025, 030, 035, 040, 045, 050, 060, 070, 080, 090, 100, 110, 125
- FD Frame — 070, 080, 090, 100, 110, 125, 150, 175, 200, 225, 250
- JD Frame — 200, 225, 250, 300, 350, 400
- LD Frame — 250, 300, 350, 400, 450, 500, 600
- LMD Frame — 500, 600, 700, 800
- MD Frame — 500, 600, 700, 800
- ND Frame — 900, 100 (1000A), 120 (1200A)
- PD Frame — 120 (1200A), 140 (1400A), 160 (1600A)
- RD Frame — 160 (1600A), 180 (1800A), 200 (2000A)
- TD Frame — 2000, 2500, 3200

Suffix

- L — where applicable indicates a breaker shipped with line/loads lugs installed
- A — used with a switch to show automatic self protection
- Y — 400 Hertz
- H — 100% rated

NOTE:

- Position omitted if not used.

