

Molded Case Circuit Breakers

SELECTION / DIMENSIONS

LD 600A Frame Sentron Series

Type HLD6-A, HLXD6^{②③}

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	5142.00	HLD62F600	3588.00	JD62T250	1456.00
300	HLD62B300	5142.00			JD62T300	1456.00
350	HLD62B350	5142.00			JD62T350	1456.00
400	HLD62B400	5142.00			JD62T400	1456.00
450	HLD62B450	5142.00			LD62T450	1456.00
500	HLD62B500	5142.00			LD62T500	1456.00
600	HLD62B600	5142.00			LD62T600	1456.00

3-Pole 600V AC, 500V DC^{①⑤}

250	HLD63B250	6542.00	HLD63F600	4773.00	JD63T250	1622.00
300	HLD63B300	6542.00			JD63T300	1622.00
350	HLD63B350	6542.00			JD63T350	1622.00
400	HLD63B400	6542.00			JD63T400	1622.00
450	HLD63B450	6542.00			LD63T450	1622.00
500	HLD63B500	6542.00			LD63T500	1622.00
600	HLD63B600	6542.00			LD63T600	1622.00

Type HHL6, HHLXD6^{②③}

2-Pole 600V AC (3 Pole Width)

Black Label

250	HHL62B250	6412.00	HHL62F600	4858.00	JD62T250	1456.00
300	HHL62B300	6412.00			JD62T300	1456.00
350	HHL62B350	6412.00			JD62T350	1456.00
400	HHL62B400	6412.00			JD62T400	1456.00
450	HHL62B450	6412.00			HHL62T450	1456.00
500	HHL62B500	6412.00			HHL62T500	1456.00
600	HHL62B600	6412.00			HHL62T600	1456.00

3-Pole 600V AC

250	HHL63B250	7768.00	HHL63F600	5999.00	JD63T250	1622.00
300	HHL63B300	7768.00			JD63T300	1622.00
350	HHL63B350	7768.00			JD63T350	1622.00
400	HHL63B400	7768.00			JD63T400	1622.00
450	HHL63B450	7768.00			HHL63T450	1622.00
500	HHL63B500	7768.00			HHL63T500	1622.00
600	HHL63B600	7768.00			HHL63T600	1622.00

Type CLD6

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	10223.00
500			CLD63B500	10223.00
600			CLD63B600	10223.00

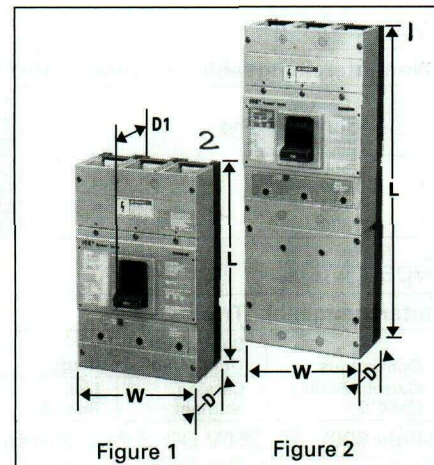


Figure 1

Figure 2

Dimensions (in inches)

Breaker Type	W	L	D	To Handle D1
Figure 1 LXD6-A, LD6-A HLD6-A HHL6, HHLXD6, LXD6-ETI ^⑥	7.5	11	4	5.44
Figure 2 CLD6, CLD6-ETI ^⑥	7.5	17.86	4	5.44

Enclosures

Type	Catalog Number	List Price \$
1	LD6N1	352.00
3R	LD6N3R	1268.00
12	LD6N12	767.00
4X	LD6SS4	5443.00
7,9	ED6	8879.00
Neutral	W60993	272.00

For inches / millimeters conversion, see Application Data section

① When wired as shown on page 49, 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 HJD6 or HHJD6 to HLXD6 or HHLXD6. Price is sum of frame and trip units prices, e.g. price of HLXD63B400 is the price of HLD63F600 plus the price of LD63T600. Order the terminal connectors separately.

③ Type HLXD6, HHLXD6 Circuit Breakers are UL Listed for reverse feed applications.
④ LXD6-ETI, CLD6-ETI see page 106 for ordering information.
⑤ CE Applies to non-interchangeable type HLXD only.

Built to order. Allow 2 weeks for production.

Molded Case Circuit Breakers

SELECTION / APPLICATION

Reference Guide

Thermal-Magnetic Trip Breakers

				General Purpose Breakers										
				JXD2-A	JD6-A, JXD6-A	HJD6-A, HJXD6-A	HHJD6-A, HHJXD6-A	CJD6	LD6, LXD6	HLD6, HLXD6	HHL6, HHLXD6	CLD6		
Page				78	78	79	79	79	80	81	81	81		
Ratings	AC	Poles		2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3		
		Amperes, Continuous		200-400	200-400	200-400	200-400	200-400	450-600	250-600	250-600	450-600		
		Volts 50/60HZ		2-Pole 3-Pole	240	600	600	600	600	600	600	600	600	
		Interrupt Rating Symmetrical RMS Amperes	UL		240V	65,000	65,000	100,000	200,000	200,000	65,000	100,000	200,000	200,000
				480V	—	35,000	65,000	100,000	150,000	35,000	65,000	100,000	150,000	
				600V	—	25,000	35,000	50,000	100,000	25,000	35,000	50,000	100,000	
			IEC 947-2 50/60HZ	220/240V	Icu	—	65,000	100,000	200,000	—	65,000	100,000	200,000	—
					Ics	—	33,000	50,000	100,000	—	33,000	50,000	100,000	—
				380/415V	Icu	—	40,000	65,000	100,000	—	40,000	65,000	100,000	—
		Ics	—		20,000	33,000	50,000	—	20,000	33,000	50,000	—		
	500V	Icu	—	30,000	42,000	65,000	—	30,000	42,000	65,000	—			
		Ics	—	15,000	21,000	33,000	—	15,000	21,000	33,000	—			
	DC	2-Pole 250V DC Interrupting Ratings		30,000	30,000	30,000	—	30,000	30,000	30,000	—	30,000		
		3-Pole, 500V DC Interrupting Ratings®		—	25,000	35,000	—	50,000	25,000	35,000	—	50,000		
Dimensions in inches	Height		11.00	11.00	11.00	11.00	17.86	11.00	11.00	11.00	17.86			
	Width		2-Pole 3-Pole	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50			
	Depth			4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00			
	Overcurrent Devices	Thermal and Adjustable Magnetic Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓		
Adjustable Magnetic Trip Only Motor Circuit Protector		—	—	—	—	✓	✓	—	—	✓				
Molded Case Switch		✓	✓	—	—	✓	✓	—	—	✓				
Accessories & Modifications	Undervoltage Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Shunt Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Rear Connection Studs		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Electric Motor Operator		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Plug-In Mounting Assembly		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Fungus Proofing (ref. page 106)		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Individual Enclosures	Type 1 — Indoor Surface		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush		—	—	—	—	—	✓	—	—	—			
	Type 3R — Outdoor-Rainproof		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 7 — Flammable Gas Atmosphere		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 9 — Combustion Dusttight		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Type 12K — Semi-Dusttight		—	✓	✓	✓	—	✓	✓	✓	—				

3
CIRCUIT BREAKERS

For inches / millimeters conversion, see Application Data section.
 © For DC UPS application.

Molded Case Circuit Breakers

SELECTION

JD 400A Frame Sentron Series

Type JXD2-A
240V AC, 250V DC

Blue Label

Continuous Current Rating @ 40°C	Non-Interchangeable Trip (Assembled Circuit Breaker without Lugs)			
	2-Pole (3 Pole Width)		3-Pole	
	Catalog Number	List Price \$	Catalog Number	List Price \$
200	JXD22B200	1996.00	JXD23B200	2425.00
225	JXD22B225	1996.00	JXD23B225	2425.00
250	JXD22B250	1996.00	JXD23B250	2425.00
300	JXD22B300	1996.00	JXD23B300	2425.00
350	JXD22B350	1996.00	JXD23B350	2425.00
400	JXD22B400	1996.00	JXD23B400	2425.00

Type JXD6-A^①
600V AC, 500V DC^②

Blue Label

Continuous Current Rating @ 40°C	Non-Interchangeable Trip (Assembled Circuit Breaker without Lugs)			
	Catalog Number	List Price \$	Catalog Number	List Price \$
	200	JXD62B200	2494.00	JXD63B200
225	JXD62B225	2494.00	JXD63B225	2950.00
250	JXD62B250	2494.00	JXD63B250	2950.00
300	JXD62B300	2494.00	JXD63B300	2950.00
350	JXD62B350	2494.00	JXD63B350	2950.00
400	JXD62B400	2494.00	JXD63B400	2950.00

Type JD6-A

Blue Label

Continuous Current Rating @ 40°C	Interchangeable Trip					
	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
200	JD62B200	2592.00	JD62F400	1038.00	JD62T200	1456.00
225	JD62B225	2592.00			JD62T225	1456.00
250	JD62B250	2592.00			JD62T250	1456.00
300	JD62B300	2592.00			JD62T300	1456.00
350	JD62B350	2592.00			JD62T350	1456.00
400	JD62B400	2592.00			JD62T400	1456.00

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	List Price \$
					200	JD63B200
225	JD63B225	3097.00	JD63T225	1622.00		
250	JD63B250	3097.00	JD63T250	1622.00		
300	JD63B300	3097.00	JD63T300	1622.00		
350	JD63B350	3097.00	JD63T350	1622.00		
400	JD63B400	3097.00	JD63T400	1622.00		

3-Pole 600V AC, 500V DC^②

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 ^②	220/240	380/415	500	lcs	lcs
JXD2-2	65	—	—	30 (2-P)	—	—	—	—	—	—
JXD6-2, JD6-A	65	35	25	30 (2-P)	25 (3-P)	65	33	40	20	30
HJD6-A, HJXD6-A	100	65	35	30 (2-P)	35 (3-P)	100	50	65	33	42
HHJD6-A, HHJXD6 ^③	200	100	50	—	—	200	100	100	50	65
CJD6	200	150	100	30 (2-P)	50 (3-P)	—	—	—	—	—

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values							
	Low	2	3	4	5	6	7	High
200-300	1250	1430	1610	1790	1960	2140	2320	2500
350-400	2000	2290	2570	2860	3140	3430	3710	4000

① Type JXD6 circuit breakers are UL Listed for reverse feed applications.
② When wired as shown on page 49, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.

③ See Note: A, page 108.
④ HHJD6 type circuit breakers meet the UL criteria for "current limiting" at 240 and 480V AC.
Note: JD frame qualified to UL489 supplement B "NAVAL." See page 111 for additional information.

Ordering Information

Complete Breaker Unassembled with Lugs

Prices of JD6, HJD6, and HHJD6 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 JXD6, HJXD6, HHJXD6, and CJD6 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 JXD2, JXD6 and HJXD6 breakers are available with 100% ratings. To order add suffix "H" to catalog number, and 10% to list price. 100% rated JD breakers require the use of 90°C Cu cable and lugs TC1J6600 or TC2J6500.

50°C Applications see page 111.

400Hz Applications see page 111.

Lugs For 75°C Wire^③

Catalog Number	Cables per Lug	Wire Range	List Price Each \$
TA2J6500	1, 2	#3/0-500 kcmil Cu #4/0-500 kcmil Al	24.50
TA1L6750	1	250-500 kcmil Al	60.00
TC1J6600	1	500-750 kcmil Al	61.00
TC2J6500	1, 2	#3/0-600 kcmil Cu	60.00
Compression Lug			
CCL600	1	#1/0-500 kcmil Cu/Al	118.00

Modifications page 111
Enclosures pages 34-46
Accessories pages 108-126

Built to order. Allow 2 weeks for production.