

Molded Case Circuit Breakers

JD 400A Frame Sentron Series

Selection

Type JXD2-A^⑤

240V AC, 2-pole 250V DC only

Blue Label

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

Type JXD6-A^{①⑤}

600V AC, 2-pole 250V DC, 3-pole 500V DC

Blue Label

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

Type JD6-A^⑤

Blue Label

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

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

200	JD62B200	JD62F400	JD62T200
225	JD62B225		JD62T225
250	JD62B250		JD62T250
300	JD62B300		JD62T300
350	JD62B350		JD62T350
400	JD62B400		JD62T400

3-Pole 600V AC, 500V DC^②

200	JD63B200	JD63F400	JD63T200
225	JD63B225		JD63T225
250	JD63B250		JD63T250
300	JD63B300		JD63T300
350	JD63B350		JD63T350
400	JD63B400		JD63T400

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)									
	CSA 22.2 No.5-02 / 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
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 ^④	200	100	50	—	—	200	100	100	50	65
CJD6	200	150	100	50 (2-P)	50 (3-P)	—	—	—	—	—

Instantaneous Adjustment Trip Range

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

① Type JXD2 and JXD6 circuit breakers are CSA Certified / UL Listed for reverse feed applications.

② When wired as shown on page 5-4, this circuit breaker is CSA Certified / UL Listed and rated for use on 500V DC ungrounded UPS systems only.

③ See Note: A, page 5-76.

④ HHJD6 type circuit breakers meet the CSA / UL criteria for "current limiting" at 240 and 480V AC.

⑤ HACR rated.

⑥ +/- 20% Tolerance.

Note: JD frame qualified to UL489 supplement B "NAVAL." See page 5-79 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 catalogue 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 catalogue number (add 2 times list price of lugs for each pole).

100% Rated

Types JXD6 and HJXD6 breakers are available with 100% ratings. To order add suffix "H" to catalogue 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 5-79.

400Hz Applications see page 5-79.

Lugs For 75°C Wire^③

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

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Accessories page 5-80

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
	Catalogue Number		Catalogue Number	
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
	Catalogue Number	Catalogue Number	Catalogue Number

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

250	LD62B250	LD62F600	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	LD63F600	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					
	CSA / UL 489 AIR (File E10848)											
	Volts AC (50/60Hz)			Volts DC			Volts AC (50/60Hz)					
	240	480	600	250	500 ^③		220/240	380/415	500			
							(lcu)	(lcs)	(lcu)	(lcs)	(lcu)	(lcs)
LXD6, LD6	65	35	25	30 (2-P)	25 (3-P)		65	33	40	20	30	15
HLD6, HLXD6	100	65	35	30 (2-P)	35 (3-P)		100	50	65	33	42	21
HHL6, HHLXD6	200	100	50	—	—		200	100	100	50	65	33
CLD6	200	150	100	30 (2-P)	50 (3-P)		—	—	—	—	—	—

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values							
	Low ^⑤	2	3	4	5	6	7	High ^⑤
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

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

② When wired as shown on page 5-4, this circuit breaker is CSA Certified / UL Listed and rated for use on 500V DC ungrounded UPS systems only.

③ See Note: A, page 5-76.

④ HACR rated.

⑤ +/- 20% Tolerance

Note: LD frame qualified to UL489 supplement SB "NAVAL"
See page 5-79 for additional information.

Modifications page 5-79
Accessories page 5-80

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 catalogue 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 catalogue number (add 2 times list price of lugs for each pole).

100% Rated (3-pole only)

Types, LXD6 and HLXD6 breakers are available with 100% ratings. To order add suffix "H" to catalogue 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 5-79.

400Hz Applications see page 5-79.

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

Catalogue Number	Cables per Lug	Wire Range
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 500-600 kcmil Cu
TC1J6600	1	#3/0-600 kcmil Cu
Compression Lug		
CCL600	1	500 kcmil Cu/Al

Lug Information

Aluminum Body Lugs for Copper or Aluminum Wire

Selection

For Use With Type(s)	Circuit Breaker Ampere Rating	Cables Per Lug	Lug Wire Range	Catalogue Number
QJ2, QJH2 QJ2H, HQJ2H	60–225	1	#6 AWG–300 kcmil (Cu) #4 AWG–300 kcmil (Al)	TA1Q300 (pkg of 3)
All 2, 3 pole ED2, ED4, ED6, ED6 ETI, HED4,	15–25	1	#14–#10 AWG (Cu) #12–#10 AWG (Al)	SA1E025
	30–100	1	#10–#1/0 (Cu or Al)	LN1E100
	110–125	1	#3-3/0 (Cu) #1-2/0 (Al)	TA1E6125
CED6 All 1 pole ED, HED	30–60	1	#10–4 (Cu or Al)	LD1E060 (Load Side)
	70–100	1	#4–#1/0 (Cu or Al)	LD1E100 (Load Side)
FXD6-A, FD6-A, HFD6, CFD6 HHFD6	70–250	1	#6 AWG–350 kcmil (Cu) #4 AWG–350 kcmil (Al)	TA1FD350A
SJD6(A), SHJD6(A) SCJD6	65–200	1–2	#4 AWG–310 kcmil (Cu or Al)	TA2J630
JXD2(A), JXD6(A), JD6(A), SJD6(A), HJD6(A), HHJD6, HHJD6, SHJD6(A), CJD6, SCJD6	200–400	1–2	3/0–500 kcmil (Cu) 4/0–500 kcmil (Al)	TA2J6500
LXD6(A), LD6(A), SLD6(A), HLD6(A), HHLXD6, HHL6, SHLD6(A), CLD6, SCLD6	250–600	1–2	3/0–500 kcmil (Cu) 4/0–500 kcmil (Al)	TA2J6500
LMD6 ^① , LMXD6 ^① , HLM6 ^① , HLMXD6 ^① , MD6, MXD6, SMD6, HMD6, HMXD6, SHMD6, CMD6, SCMD6	500–600	1–2	#1–500 kcmil (Cu or Al)	TA2K500
		1–3	1/0–500 kcmil (Cu or Al)	TA3K500
ND6, NXD6, SND6, HND6, HNXD6, SHND6, CND6, SCND6	800–1200	1–4	250–500 kcmil (Cu or Al)	2TA4P8500 ^{②③} 3TA4P8500 ^④
			250–500 kcmil (Cu or Al)	2TA4N8500 ^③ 3TA4N8500 ^④
PD6, HPD6, CPD6 PXD6, HPXD6, SPD6, SHPD6	1200–1600	1–5	300–600 kcmil (Cu or Al)	TA5P600
PD6, PXD6, HPD6, HPXD6, SPD6, SHPD6, RD6, RXD6, HRD6, HRXD6	1200–2000	1–6	300–600 kcmil (Cu or Al)	TA6R600

① Use TA2K500 or TA3K500 only.
 ② Contains 2 connectors plus 1 NDTS end barrier.
 ③ Contains 3 connectors plus 1 NDTS end barrier.