

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)	3-Pole
	Catalogue Number	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)		
200	JXD62B200	JXD63B200
225	JXD62B225	JXD63B225
250	JXD62B250	JXD63B250
300	JXD62B300	JXD63B300
350	JXD62B350	JXD63B350
400	JXD62B400	JXD63B400

Type JD6-A^⑥

Blue Label

Interchangeable Trip			
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs	Frame Only	Trip Unit Only
	Catalogue Number	Catalogue Number	Catalogue Number

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		
	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics
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 UL Listed for reverse feed applications.

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

③ See Note: A, page 5-64.

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 5-67 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 5-67.

400Hz Applications see page 5-67.

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 5-68

Molded Case Circuit Breakers

JD 400A Frame Sentron Series

Selection

Type HJD6-A, HJXD6-A^{②④⑥}

Black Label

Interchangeable Trip			
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs	Frame Only	Trip Unit Only
	Catalogue Number	Catalogue Number	Catalogue Number

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

200	HJD62B200	HJD62F400	JD62T200
225	HJD62B225		JD62T225
250	HJD62B250		JD62T250
300	HJD62B300		JD62T300
350	HJD62B350		JD62T350
400	HJD62B400		JD62T400

3-Pole 600V AC, 500V DC^{①②⑤}

200	HJD63B200	HJD63F400	JD63T200
225	HJD63B225		JD63T225
250	HJD63B250		JD63T250
300	HJD63B300		JD63T300
350	HJD63B350		JD63T350
400	HJD63B400		JD63T400

Type HHJD6, HHJXD6-A^{②④⑥}

2-Pole 600V AC (3 Pole Width)

Black Label

200	HHJD62B200	HHJD62F400	JD62T200
225	HHJD62B225		JD62T225
250	HHJD62B250		JD62T250
300	HHJD62B300		JD62T300
350	HHJD62B350		JD62T350
400	HHJD62B400		JD62T400

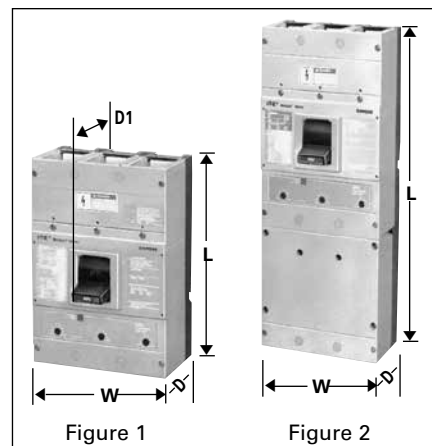
200	HHJD63B200	HHJD63F400	JD63T200
225	HHJD63B225		JD63T225
250	HHJD63B250		JD63T250
300	HHJD63B300		JD63T300
350	HHJD63B350		JD63T350
400	HHJD63B400		JD63T400

Type CJD6^⑥

Fuseless Current Limiting

Red Label

Non-Interchangeable Trip (Assembled Circuit Breakers Without Lugs)		
Continuous Current Rating @ 40°C	2-Pole	3-Pole
	600V AC/250V DC	600V AC/500V DC
		Catalogue Number
200	For 2-pole application use outside poles of 3-pole circuit breaker	CJD63B200
225		CJD63B225
250		CJD63B250
300		CJD63B300
350		CJD63B350
400		CJD63B400



Dimensions (in inches)

Breaker Type	W	L	D	To Handle D1
Figure 1 JXD2-A, JXD6-A, JD6-A HJD6-A, HJXD6-A, HHJD6, HJD6, HJXD6, HHJXD6, JXD6-ETI ^③	7.5	11	4	5.44
Figure 2 CJD6, CJD6-ETI ^③	7.5	17.86	4	5.44

Shipping Weights

Number of Poles	Number per Carton	Shipping Weight (lbs.)
JXD2, JXD6, JD6, HJD6, HHJD6 Assembled Breaker (less terminals)		
2	1	17.5
3	1	19.5
JD6, HJD6, HHJD6 Frame Only		
2	1	14
3	1	15.5
JD6 Trip Unit Only		
2	1	3.5
3	1	4
CJD6 Complete Assembled Breaker (less terminals)		
2	1	29.5
3	1	31.5

For inches / millimeters conversion, see Application Data section.

2-pole units available in 3-pole construction.

① When wired as shown on page 5-2, this circuit breaker is CSA Certified / UL listed and rated for use on 500V DC ungrounded UPS systems only.

② For non-interchangeable 3-pole HJD6 or HHJD6 type circuit breaker change the prefix identifier to HJXD6 or HHJXD6. Order lugs separately.

③ JXD6-ETI, CJD6-ETI see page 5-50 for ordering information.

④ Type HJXD6, HHJXD6 Circuit Breakers are CSA Certified / UL listed for reverse fed applications.

⑤ CE applies to non-interchangeable type HJXD only.

⑥ HACR rated.

Molded Case Circuit Breakers

SJD 400A Frame Digital Solid State Sentron Sensitrip III Series

Selection

Type SJD6-A

Blue Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SJD69200	200
SJD69300	300
SJD69400	400
SJD69200G	200
SJD69300G	300
SJD69400G	400
SJD69200NT	200
SJD69300NT	300
SJD69400NT	400
SJD69200NGT	200
SJD69300NGT	300
SJD69400NGT	400

Type SHJD6-A

Black Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SHJD69200	200
SHJD69300	300
SHJD69400	400
SHJD69200G	200
SHJD69300G	300
SHJD69400G	400
SHJD69200NT	200
SHJD69300NT	300
SHJD69400NT	400
SHJD69200NGT	200
SHJD69300NGT	300
SHJD69400NGT	400

Current Limiting

Type SCJD6-A

Red Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SCJD69200	200
SCJD69300	300
SCJD69400	400
SCJD69200G	200
SCJD69300G	300
SCJD69400G	400
SCJD69200NT	200
SCJD69300NT	300
SCJD69400NT	400
SCJD69200NGT	200
SCJD69300NGT	300
SCJD69400NGT	400

Ordering Information

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

SJD6 and SCJD6 are acceptable for reverse connection application.

SHJD6 are not acceptable for reverse connection application.

Shipping Weights

Breaker Type	Number per Carton	Shipping Weight (lbs)
SJD6-A	1	20
SHJD6-A	1	20
SCJD6-A	1	33

SJD 400A Frame – 100% Rated^②

Type SJD6-A

Blue Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SJD69200H	200
SJD69300H	300
SJD69400H	400
SJD69200GH	200
SJD69300GH	300
SJD69400GH	400
SJD69200NTH	200
SJD69300NTH	300
SJD69400NTH	400
SJD69200NGTH	200
SJD69300NGTH	300
SJD69400NGTH	400

Type SHJD6-A

Black Label

3-Pole, 600V AC	
Catalogue Number	Max Current Rating
SHJD69200H	200
SHJD69300H	300
SHJD69400H	400
SHJD69200GH	200
SHJD69300GH	300
SHJD69400GH	400
SHJD69200NTH	200
SHJD69300NTH	300
SHJD69400NTH	400
SHJD69200NGTH	200
SHJD69300NGTH	300
SHJD69400NGTH	400

Lugs for 75° C Wire^①

Catalogue Number	No of Cables per Connector	Wire Range
TA2J6500	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	2	#3/0-500 kcmil Cu
TA2J630	2	#4–#3/0-Cu/Al
Compression Lug		
CCL600	(1 pc.)	#1/0-500 kcmil Cu/Al

Neutral Transformers

Ampere Rating	Catalogue Number
200	N02SJD
300	N03SJD
400	N04SJD

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 Pick Up	Ground Fault Pick Up	Ground Fault Delay
None	LI	✓	✓	✓	—	—	—	—	—
G	LIG	✓	✓	✓	—	—	—	✓	✓
NT	LSI	✓	✓	✓	✓	✓	✓	—	—
NGT	LSIG	✓	✓	✓	✓	✓	✓	✓	✓

Interrupting Ratings

Breaker Type	RMS Symmetrical kA UL 489 (File E10848)		
	240V AC	480V AC	600V AC
SJD6-A	65	35	25
SHJD6-A	100	65	35
SCJD6-A	200	150	100

Note: "G" suffix in catalogue number denotes circuit breaker for 3 phase, 3 wire systems.
For 3 phase, 4 wire, order correct 4th wire (neutral) transformer as separate and additional item.

①For additional information, see **Note: A**, page 5-64.
②Refer to the NEC for proper application of 100% rated devices.

Accessories page 5-68

Molded Case Circuit Breakers

Internal Accessories

Selection

Accessories for:

JD 400A Frame
LD 600A Frame
LMD 800A Frame
SJD 400A Frame
SLD 600A Frame



Sensitrip Ammeter



The Ammeter Display Units plug into the Sensitrip Trip Unit and displays the phase current flowing in the SADU breaker. They are powered by the breaker's CT's with replaceable battery back-up for maintaining trip and max logs.

The SADU reads currents, current imbalance, current demand, and trip status.

Ammeter Mounting Kit

The Ammeter may also be panel or door mounted using the SADURMK18 remote mounting kit.

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalogue Number	Catalogue Number
24	—	S17JLD6	—
48	—	S18JLD6	—
120	—	S01JLD6	S01JLD62A
240	—	S03JLD6	S03JLD62A
277	—	S15JLD6	S15JLD64A
480	—	S04JLD6	—
—	12	S16JLD6	S16JLD62A
—	24	S07JLD6	S07JLD62A
—	48	S09JLD6	S09JLD62A
—	125	S11JLD6	S11JLD62A
—	250	S13JLD6	S13JLD62A

Undervoltage Trip Combinations

Control Voltage		1 Undervoltage Trip	1 Undervoltage Trip and 1 Auxiliary Switch	1 Undervoltage Trip and 2 Auxiliary Switches
AC	DC	Catalogue Number	Catalogue Number	Catalogue Number
120	—	U01JLD6	U01JLD62A	U01JLD62AA
208	—	U02JLD6	U02JLD62A	U02JLD62AA
240	—	U03JLD6	U03JLD62A	U03JLD62AA
480	—	U06JLD6	U06JLD64A	U06JLD64AA
—	24	U13JLD6	U13JLD62A	U13JLD62AA
—	48	U14JLD6	U14JLD62A	U14JLD62AA
—	125	U10JLD6	U10JLD62A	U10JLD62AA
—	250	U12JLD6	U12JLD62A	U12JLD62AA

Auxiliary Switch Combinations

Maximum Voltage		1 Form C	2 Form C
AC	DC	Catalogue Number	Catalogue Number
480	250	A01JLD64	A02JLD64
—	12	A01JLDLV	A02JLDLV

Alarm Switch Combinations

Maximum Voltage		1 Alarm Switch	1 Alarm Switch and 1 Auxiliary Switch	1 Alarm Switch and 2 Auxiliary Switches
AC	DC	Catalogue Number	Catalogue Number	Catalogue Number
480	250	B01JLD64	A01JLD64B	A02JLD64B

Plug-in Ammeter Display Units

Breaker Type	Description	Catalogue Number
SJD, SLD	Display Unit	SADU
	Remote Mounting Kit	SADURMK18

Note: Accessory modules can only be added to right side pole of solid state SJD and SLD frame circuit breakers. All accessories on this page are useable on superseded JD2, JJ6, JL6, HJ6, SJL, LJ6, LL6, HL6 and SLL circuit breakers.

No accessories can be added if mechanical interlock is used.