

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

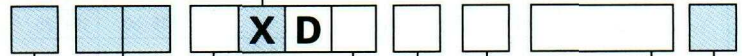
Catalog Number	Cables per Lug	Wire Range	List Price Each \$
TA2J6500	1, 2	#3/0-500 kcmil Cu #4/0-500 kcmil Al	24.50
TA1L6750	1	250-500 kcmil Al	60.00
TC1J6600	1	500-600 kcmil Cu	61.00
TC2J6500	1, 2	#3/0-600 kcmil Cu	60.00
Compression Lug			
CCL600	1	#1/0-500 kcmil Cu/Al	118.00

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

Built to order. Allow 2 weeks for production.

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.

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	HHD6, HHLXD6	CLD6		
Page				78	78	79	79	79	80	81	81	81	81	
Ratings	AC	Poles		2, 3	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	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	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	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.