

# Molded Case Circuit Breakers

JD 400A Frame Sentron Series

Selection

## Type JXD2-A<sup>④</sup>

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) Catalog Number | 3-Pole Catalog Number |
| 200                                                               | JXD22B200■                           | JXD23B200             |
| 225                                                               | JXD22B225■                           | JXD23B225             |
| 250                                                               | JXD22B250■                           | JXD23B250             |
| 300                                                               | JXD22B300                            | JXD23B300             |
| 350                                                               | JXD22B350■                           | JXD23B350             |
| 400                                                               | JXD22B400                            | JXD23B400             |

## Type JXD6-A<sup>①④</sup>

600V AC, 2-Pole 250V DC, 3-Pole 500V DC<sup>②</sup>

Blue Label

| Non-Interchangeable Trip (Assembled Circuit Breaker without Lugs) |                                      |                       |
|-------------------------------------------------------------------|--------------------------------------|-----------------------|
| Continuous Current Rating @ 40°C                                  | 2-Pole (3-Pole Width) Catalog Number | 3-Pole Catalog Number |
| 200                                                               | JXD62B200■                           | JXD63B200             |
| 225                                                               | JXD62B225■                           | JXD63B225             |
| 250                                                               | JXD62B250■                           | JXD63B250             |
| 300                                                               | JXD62B300                            | JXD63B300             |
| 350                                                               | JXD62B350■                           | JXD63B350             |
| 400                                                               | JXD62B400                            | JXD63B400             |

## Type JD6-A<sup>④</sup>

Blue Label

| Interchangeable Trip             |                                                    |                           |                               |
|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------|
| Continuous Current Rating @ 40°C | Complete Breaker Unassembled w/Lugs Catalog Number | Frame Only Catalog Number | Trip Unit Only Catalog Number |

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

| Continuous Current Rating @ 40°C | Complete Breaker Unassembled w/Lugs Catalog Number | Frame Only Catalog Number | Trip Unit Only Catalog Number |
|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------|
| 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<sup>②</sup>

| Continuous Current Rating @ 40°C | Complete Breaker Unassembled w/Lugs Catalog Number | Frame Only Catalog Number | Trip Unit Only Catalog Number |
|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------|
| 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) |     |     |          |                  |                    |         |     |     |     |
|-----------------|------------------------------|-----|-----|----------|------------------|--------------------|---------|-----|-----|-----|
|                 | UL 489 AIR (File E10848)     |     |     |          |                  | IEC 947-2          |         |     |     |     |
|                 | Volts AC (50/60Hz)           |     |     | Volts DC |                  | Volts AC (50/60Hz) |         |     |     |     |
|                 | 240                          | 480 | 600 | 250      | 500 <sup>③</sup> | 220/240            | 380/415 | 500 |     |     |
|                 | Icu                          | Ics | Icu | Ics      | Icu              | Ics                | Icu     | Ics | Icu | Ics |
| JXD2-A          | 65                           | —   | —   | 30 (2-P) | —                | —                  | —       | —   | —   | —   |
| JXD6-A, JD6-A   | 65                           | 35  | 25  | 30 (2-P) | 25 (3-P)         | 65                 | 33      | 40  | 20  | —   |
| HJD6-A, HJXD6-A | 100                          | 65  | 35  | 30 (2-P) | 35 (3-P)         | 100                | 50      | 65  | 33  | —   |
| HHJD6, HHJXD6   | 200                          | 100 | 50  | —        | —                | —                  | —       | —   | —   | —   |
| CJD6-A          | 200                          | 150 | 100 | 30 (2-P) | 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 |
| 200-300               | 1250                         | 1430 | 1610 | 1790 | 1960 | 2140 | 2320 | 2500                |
| 350-400               | 2000                         | 2290 | 2570 | 2860 | 3140 | 3430 | 3710 | 4000                |

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

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

②When wired as shown on page 7-4, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.

③See Note: A, page 7-88.

④ HACR rated.

Note: JD frame qualified to UL489 supplement B "NAVAL." See page 7-91 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 (3-pole only)

Types 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 sized at 75°C ampacity and lugs TC1J6600 or TC2J6500.

50°C Applications see page 7-91.

400Hz Applications see page 7-91.

## Lugs For 75°C Wire<sup>③</sup>

| Catalog Number  | Cables per Lug | Wire Range                             |
|-----------------|----------------|----------------------------------------|
| TA2J6500        | 1, 2           | #3/0-500 kcmil Cu<br>#4/0-500 kcmil Al |
| TA1L6750        | 1              | 500-750 kcmil Al<br>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                        |

Modifications page 7-91

Enclosures Section 6

Accessories pages 7-54 and 7-95 to 7-100