

# Molded Case Circuit Breakers

MD 800A Frame Sentron Series

Selection

Type MXD6<sup>①⑥</sup>

Blue Label

## Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)

| Continuous Current Rating @ 40°C | 2-Pole <sup>②</sup> | 3-Pole         |
|----------------------------------|---------------------|----------------|
|                                  | Catalog Number      | Catalog Number |
| 600                              | MXD62B600■          | MXD63B600      |
| 700                              | MXD62B700■          | MXD63B700      |
| 800                              | MXD62B800■          | MXD63B800      |

Type MD6<sup>⑥</sup>

Blue Label

## Interchangeable Trip

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

2-Pole 600V AC, 250V DC<sup>②</sup>

|     |           |           |           |
|-----|-----------|-----------|-----------|
| 500 | MD62B500■ | MD62F800■ | MD62T500■ |
| 600 | MD62B600■ |           | MD62T600■ |
| 700 | MD62B700■ |           | MD62T700■ |
| 800 | MD62B800■ |           | MD62T800■ |

3-Pole 600V AC, 500V DC<sup>③</sup>

|     |          |          |          |
|-----|----------|----------|----------|
| 500 | MD63B500 | MD63F800 | MD63T500 |
| 600 | MD63B600 |          | MD63T600 |
| 700 | MD63B700 |          | MD63T700 |
| 800 | MD63B800 |          | MD63T800 |

Lugs<sup>④</sup>

| Catalog Number | Cables Per Lug | Lugs Per Kit | Wire Range          |
|----------------|----------------|--------------|---------------------|
| TA2K500        | 1-2            | 1            | #1-500 kcmil Cu/Al  |
| TA3K500        | 1-3            | 1            | 1/0-500 kcmil Cu/Al |
| TC2K500        | 1-2            | 1            | #1-500 kcmil Cu     |
| TC3K350        | 1-3            | 1            | #1-350 kcmil Cu     |
| <b>Kits</b>    |                |              |                     |
| 2TA2N8750      | 1-2            | 2            | 500-750 kcmil Cu/Al |
| 3TA2N8750      |                | 3            |                     |
| 2TA3N8750      | 1-3            | 2            | 500-750 kcmil Cu/Al |
| 3TA3N8750      |                | 3            |                     |
| 2TA4N8500      | 1-4            | 2            | 250-500 kcmil Cu/Al |
| 3TA4N8500      |                | 3            |                     |
| 2TA4P8500      | 1-4            | 2            | 250-500 kcmil Cu/Al |
| 3TA4P8500      |                | 3            |                     |

## Instantaneous Adjustment Trip Range

| Ampere Rating | Nominal Instantaneous Values |      |      |      |      |      |      |                        |
|---------------|------------------------------|------|------|------|------|------|------|------------------------|
|               | Low +/- 20% Tolerance        | 2    | 3    | 4    | 5    | 6    | 7    | High +/- 20% Tolerance |
| 500           | 3000                         | 3430 | 3860 | 4280 | 4710 | 5140 | 5570 | 6000                   |
| 600-800       | 4000                         | 4570 | 5140 | 5710 | 6280 | 6850 | 7420 | 8000                   |

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

①MXD6 circuit breakers are UL Listed for reverse connection applications.

②2-pole units available in 3-pole width only.

③ When wired as shown on page 7-4, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems.

④ See **Note: A**, page 7-88.

⑤ 80% rated breakers with the CE mark will also be marked in the 100% rated version.

⑥ HACR rated.

**Note:** MD frame qualified to UL489 supplement B "NAVAL". See page 7-91 for additional information.

## Ordering Information

## Complete Breaker Unassembled with Lugs

Pricing information for MD6 and HMD6 breakers includes frame, trip, and both line and load lugs (TA3K500). 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 MXD6, HMXD6 and CMD6 include frame with non-interchangeable trip units installed only. Order required lugs separately. For line and load lugs (TA3K500) installed, add suffix "L" to catalog number (add 2 times list price of lugs for each pole).

100% Rated<sup>③</sup> 3-Pole Only

Types MXD6, HMXD6 and CMD6 breakers are available with 100% ratings. To order add suffix "H" to catalog number, and 10% to list price. 100% rated MD breakers require the use of 90°C Cu cable sized at 75°C ampacity and lugs 3TA4P8500 or 3TA2N8750.

50°C Applications see page 7-91.

400Hz Applications see page 7-91.

## Shipping Weights

| Number of Poles                                                      | Number per Carton | Shipping Weight (lbs.) |
|----------------------------------------------------------------------|-------------------|------------------------|
| <b>MD6, HMD6, HMXD6, CMD6 Complete Breaker Assembled (less lugs)</b> |                   |                        |
| 2                                                                    | 1                 | 53                     |
| 3                                                                    | 1                 | 61.5                   |
| <b>MD6, HMD6 Frame Only</b>                                          |                   |                        |
| 2                                                                    | 1                 | 42.25                  |
| 3                                                                    | 1                 | 46                     |
| <b>MD6, HMD6 Trip Unit Only</b>                                      |                   |                        |
| 2                                                                    | 1                 | 4.5                    |
| 3                                                                    | 1                 | 6.5                    |
| <b>SMD6 Breaker</b>                                                  |                   |                        |
| 3                                                                    | 1                 | 61.5                   |

## Enclosures

| Type    | Catalog Number |
|---------|----------------|
| 1       | MND61          |
| 3R      | MND63          |
| 12      | MND612■        |
| Neutral | W63623         |

Modifications page 7-91

Enclosures Section 6

Accessories pages 7-65 and 7-95 to 7-100