



Molded Case Circuit Breakers

Selection

MD 800A Frame Sentron Series

16

Molded Case
Circuit Breakers

Type MXD6^①

BLUE LABEL

Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)				
Continuous Current Rating @ 40°C	2-Pole ^②		3-Pole	
	Catalog Number	List Price ^⑦	Catalog Number	List Price ^⑦
500	MXD62B500		MXD63B500	
600	MXD62B600		MXD63B600	
700	MXD62B700		MXD63B700	
800	MXD62B800		MXD63B800	

Type MD6

BLUE LABEL

Interchangeable Trip						
Continuous Current Setting @ 40°C	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price ^⑦	Catalog Number	List Price ^⑦	Catalog Number	List Price ^⑦

2-Pole 600V AC, 250V DC^②

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

3-Pole 600V AC, 500V DC^④

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

Lugs^③

Catalog Number	Cables Per Lug	Lugs Per Kit	Wire Range	List Price Each ^⑦
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	

Kits

2TA2N8750	1-2	2	600-750 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	2	3	4	5	6	7	High
500-600	3000	3430	3860	4280	4710	5140	5570	6000
700-800	4000	4570	5140	5710	6280	6850	7420	8000

Note: MD frame qualified to UL489 supplement B "NAVAL". See page 857 for additional information.

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

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

③Use 6 connectors for 3-pole, use 4 connectors for 2-pole.

④ When wired as shown on page 815, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems.

⑤ Molded case circuit breakers having a rated ampacity of 125 amperes or less are to be connected with 60 or 75°C wire. Circuit breakers having a rated ampacity greater than 125 amperes shall only be cabled with 75°C cable unless otherwise indicated on the circuit breaker label. Exceptions to this rule are outlined in article 110-14 C(1)(2) of the 1996 National Electrical Code.

⑥ 80% rated breakers with the CE mark will also be marked in the 100% rated version.

⑦Consult Sales Office for pricing.

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^⑥

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 and lugs TA4P8500 or TA2N8750.

► 50°C Applications see page 867.

► 400Hz Applications see page 867.

Shipping Weights

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

Enclosures

Type	Catalog Number	List Price ^⑦
1	MND61	
3R	MND63	
12	MND612	
Neutral	W63623	

Modifications page 857
Accessories pages 854-872

Built to order. Allow 2 weeks for production.

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MD 800A Frame Sentron Series

Type HMXD6^①

BLACK LABEL

Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)				
Continuous Current Rating @ 40°C	2-Pole 600V AC 250V DC		3-Pole 600V AC 500V DC	
	Catalog Number	List Price ^③	Catalog Number	List Price ^③
500	HMXD62B500		HMXD63B500	
600	HMXD62B600		HMXD63B600	
700	HMXD62B700		HMXD63B700	
800	HMXD62B800		HMXD63B800	

Type HMD6

BLACK LABEL

Interchangeable Trip						
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price ^③	Catalog Number	List Price ^③	Catalog Number	List Price ^③

2-Pole 600V AC, 250V DC^②

500	HMD62B500		HMD62F800		MD62T500	
600	HMD62B600				MD62T600	
700	HMD62B700				MD62T700	
800	HMD62B800				MD62T800	

3-Pole 600V AC, 500V DC^④

500	HMD63B500		HMD63F800		MD63T500	
600	HMD63B600				MD63T600	
700	HMD63B700				MD63T700	
800	HMD63B800				MD63T800	

Type CMD6

Fuseless Current Limiting

RED LABEL

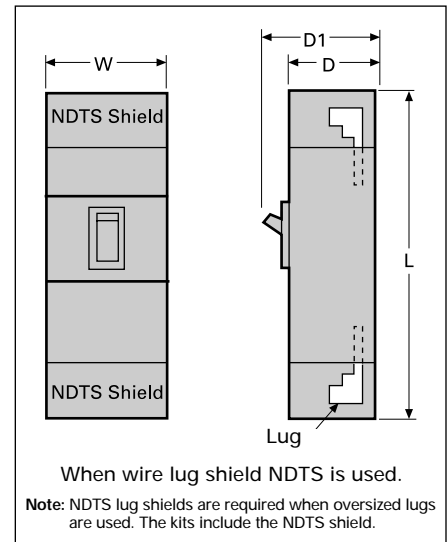
Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)				
Continuous Current Rating @ 40°C	2-Pole 600V AC/250V DC		3-Pole 600V AC/500V DC	
			Catalog Number	List Price ^③
500	For 2-pole application use outside poles of 3-pole circuit breaker		CMD63B500	
600			CMD63B600	
700			CMD63B700	
800			CMD63B800	

Interrupting Ratings

Breaker Type	UL 489 AIR—File E10848					IEC 947-2 AIR					
	RMS Symmetrical Amperes (KA)					Volts AC (50/60HZ)					
	Volts AC			Volts DC		220/240		380/415		500	
MD6, MXD6	240	480	600	250	500 ^⑤	(Icu)	(Ics)	(Icu)	(Ics)	(Icu)	(Ics)
HMD6, HMXD6	100	65	50	30 (2-P)	50 (3-P)	100	50	65	33	42	21
CMD6	200	100	65	30 (2-P)	50 (3-P)	200	100	100	50	65	33

For inches / millimeters conversion, see page 935.

- ①HMXD6 circuit breakers are UL listed for reverse connection applications.
- ②2-pole units available in 3-pole width only.
- ③MXD6-ETI, CMD6-ETI see page 852 for catalog information.
- ④When wired as shown on page 815, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.
- ⑤Consult Sales Office for pricing.



Dimensions (in inches)

Breaker Type	W	L	D	(To Handle) D1
MD6, MXD6, HMD6, HMXD6, CMD6, MXD6-ETI, CMD6-ETI	9	16	6	8.25
with lug shields	9	24	6	8.25

Built to order. Allow 2 weeks for production.