

Molded Case Circuit Breakers

MD-Frame Sentron™ Series Circuit Breaker

2 & 3-Pole; 500-800 Amperes



Ratings & Markings (UL 489 AIR Interrupting Ratings)

Breaker Type	RMS Symmetrical Amperes (kA)							
	Volts AC (50/60Hz)			Volts DC		Frame Only - Interchangeable Trip		
	240	480	600	250	500	Breaker Type	Frame (2-Pole)	Frame (3-Pole)
MD6, MXD6	65	50	25	30 (2-P)	25 (3-P)	MD6	MD62F800	MD63F800
HMD6, HMXD6	100	65	50	30 (2-P)	50 (3-P)	HMD6	HMD62F800	HMD63F800
CMD6	200	100	65	—	50 (3-P)	—	—	—

Dimensions

Breaker Type	Length	Width	Depth	D-1 (to handle)
MD6, MXD6, HMD6, HMXD6, CMD6, MXD6-ETI, CMD6-ETI	16 in.	9 in.	6 in.	8.25 in.
With lug shields	24 in.	9 in.	6 in.	8.25 in.

Frames

Trip Amperage	Poles	Breaker-Type Non-interchangeable Trip			Breaker-Type Interchangeable Trip		Trip Unit Only
		MXD6	HMXD6	CMD6	MD6	HMD6	
500	2	—	—	—	MD62B500	HMD62B500	MD62T500
600	2	MXD62B600	—	—	MD62B600	HMD62B600	MD62T600
700	2	MXD62B700	—	—	MD62B700	HMD62B700	MD62T700
800	2	MXD62B800	—	—	MD62B800	HMD62B800	MD62T800
500	3	—	—	—	MD63B500	HMD63B500	MD63T500
600	3	MXD63B600	HMXD63B600	CMD63B600	MD63B600	HMD63B600	MD63T600
700	3	MXD63B700	HMXD63B700	CMD63B700	MD63B700	HMD63B700	MD63T700
800	3	MXD63B800	HMXD63B800	CMD63B800	MD63B800	HMD63B800	MD63T800

Frames - Magnetic Trip Only - ETI Motor Circuit Protector

Ampere Rating	Poles	Minimum	Maximum	MXD6	CMD6
800	3	3000	6000	MXD63L800	CMD63L800
800	3	4000	8000	MXD63A800	CMD63A800
800	3	5000	10000	MXD63H800	CMD63H800

Frames - Molded Case Switch - Circuit Disconnect

Ampere Rating	Poles	MXD6	CMD6
800	3	MXD63S800A	CMD63S800A

Lugs For 75°C Wire

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
Kits			
2TA2N8750 3TA2N8750	1-2	2 3	500-750 kcmil Cu/Al
2TA3N8750 3TA3N8750	1-3	2 3	500-750 kcmil Cu/Al
2TA4N8500 3TA4N8500	1-4	2 3	250-500 kcmil Cu/Al
2TA4P8500 3TA4P8500	1-4	2 3	250-500 kcmil Cu/Al

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch
AC	DC	Catalog Number	Catalog Number
120	—	S01MN6	S01MN64A
208	—	S02MN6	—
240	—	S03MN6	S03MN64A
277	—	S15MN6	S15MN64A
480	—	S04MN6	S04MN64A
600	—	S06MN6	—
—	12	S16MN6	S16MN64A
—	24	S07MN6	S07MN64A
—	48	S09MN6	—
—	125	S11MN6	S11MN64A
—	250	S13MN6	S13MN64A

Auxiliary Switch Combinations

Maximum Voltage		1 Form C	2 Form C
AC	DC	Catalog Number	Catalog Number
480	250	A01MN64	A02MN64
—	12	A01MNDLV	A02MNDLV

Alarm Switch Combinations

Maximum Voltage		1 Alarm Switch	1 Alarm Switch and 1 Auxiliary Switch	1 Alarm Switch and 2 Auxiliary Switches
AC	DC	Catalog Number	Catalog Number	Catalog Number
480	250	B00MN64	A01MN64B	A02MN64B

Undervoltage Trip Combinations

Control Voltage		1 Undervoltage Trip	1 Undervoltage Trip and 1 Auxiliary Switch	1 Undervoltage Trip and 2 Auxiliary Switches
AC	DC	Catalog Number	Catalog Number	Catalog Number
120	—	U01MN6	U01MN64A	U01MN64AA
208	—	U02MN6	U02MN64A	U02MN64AA
240	—	U03MN6	U03MN64A	U03MN64AA
277	—	U15MN6	U15MN64A	U15MN64AA
480	—	U04MN6	U04MN64A	U04MN64AA
600	—	U06MN6	—	—
—	24	U07MN6	U07MN64A	U07MN64AA
—	48	U09MN6	U09MN64A	U09MN64AA
—	125	U11MN6	U11MN64A	U11MN64AA
—	250	U13MN6	U13MN64A	U13MN64AA

Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

Subject to change without prior notice
Order No. CBDS-MDGEN-0717
Printed in USA
All Rights Reserved
© 2017, Siemens Industry, Inc.
usa.siemens.com/circuitbreakers

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.