

Typical M-Frame Circuit Breaker



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M-Frame (300–800 Amperes)

Product Description

- All Eaton M-Frame circuit breakers are HACR rated
- MDL-Frame circuit breakers are available as individual components (frame, trip unit, terminals), or factory assembled complete breakers
- MDLB, HMDLB-Frame circuit breakers with non-interchangeable trip units are suitable for reverse feed use

Standards and Certifications

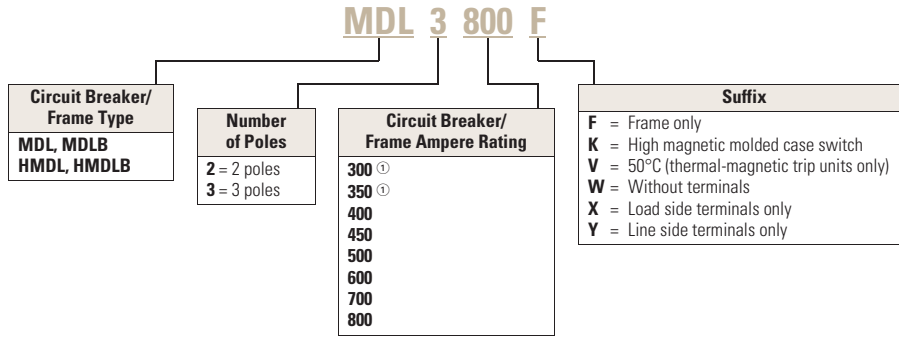
- CE marked



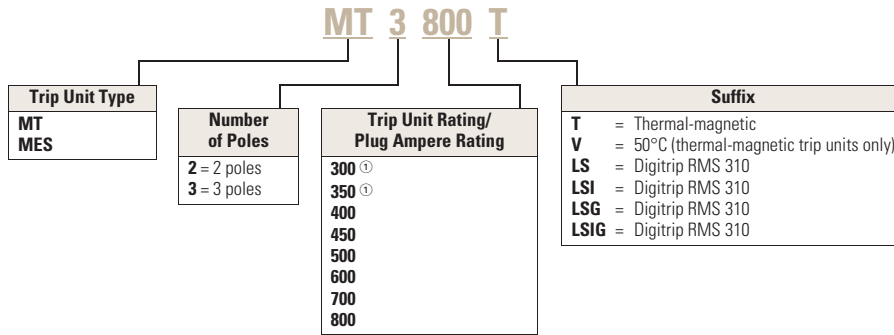
Catalog Number Selection

This information is presented only as an aid to understanding catalog numbers. It is not to be used to build catalog numbers for circuit breakers or trip units.

Circuit Breaker/Frame



Thermal-Magnetic Trip Unit



Note

① Thermal-magnetic only.

100% Rated Types CMDL and CHMDL Electronic Circuit Breakers with Non-Interchangeable Trip Units

The NEC allows the breaker to be rated at 100% of its frame size in an assembly, provided that 90°C wire is applied at the 75°C ampacity. All 100% rated circuit breakers have electronic trip units. Order as individual components: breaker frame, trip unit, rating plug and terminals.

100% Rated Types CMDL and CHMDL Electronic Circuit Breakers with Interchangeable Trip Units—Three-Pole

Maximum Continuous Ampere Rating at 40°C ①	Circuit Breaker Frame Only		Digitrip RMS 310 Trip Unit Only ②				Digitrip RMS 310 Trip Unit Only			Terminals	
	Standard Interrupting Capacity 50 kAIC at 480 Vac Catalog Number	High Interrupting Capacity 65 kAIC at 480 Vac	Standard	Options		Independently Adjustable Short Time Pickup and Ground Fault Protection	Fixed Rating Plug Catalog Number	Adjustable Rating Plug			
			Adjustable Short Time Pickup with I ² t Short Delay Ramp	Independently Adjustable Short Time Pickup and Delay Ground Protection	Adjustable Short Time Pickup with I ² t Short Delay and Ground Fault Protection						
800	CMDL3800F	CHMDL3800F	MES3800LS	MES3800LSI	MES3800LSG	MES3800LSIG	400	8MES400T	400/500/600/800	See Page V4-T2-224 for standard and optional terminals	
							500	8MES500T	A8MES800T		
							600	8MES600T	620/640/660/680		A8MES600T5
							700	8MES700T			
							800	8MES800T	720/740/760/780		A8MES700T5

Molded Case Switches

Eaton’s molded case switches are used as compact switches in applications requiring high current switching capabilities. Molded case switches are constructed of circuit breaker

components and are of the high instantaneous automatic type. Molded case switches are listed in accordance with Underwriters Laboratories Standard UL 489.

Molded Case Switches

Maximum Continuous Ampere Rating at 40°C	600 Vac Maximum, 250 Vdc Circuit Breaker Only without Line and Load Terminals Catalog Number
Two-Pole	
800	MDL2800WK
	MDLB2800WK ③
	HMDL2800WK
Three-Pole	
800	MDL3800WK
	MDLB3800WK ③
	HMDL3800WK

Notes

- ① Ampere rating is established by rating plug.
 - ② For AC use only.
 - ③ MDLB and HMDLB are suitable for reverse feed applications.
- Molded case switch may trip above 6000 amperes.