

Typical M-Frame Circuit Breaker

**Contents**

Description	Page
Product Overview	V4-T2-121
Standards and Certifications	V4-T2-122
Quick Reference	V4-T2-123
G-Frame (15–100 Amperes)	V4-T2-126
F-Frame (10–225 Amperes)	V4-T2-140
J-Frame (70–250 Amperes)	V4-T2-157
K-Frame (70–400 Amperes)	V4-T2-165
L-Frame (125–600 Amperes)	V4-T2-192
M-Frame (300–800 Amperes)	
Catalog Number Selection	V4-T2-219
Product Selection	V4-T2-220
Accessories	V4-T2-225
Technical Data and Specifications	V4-T2-226
Dimensions and Weights	V4-T2-228
Motor Circuit Protectors (MCP)	V4-T2-263
N-Frame (400–1200 Amperes)	V4-T2-229
R-Frame (800–2500 Amperes)	V4-T2-244
Motor Protection Circuit Breakers (MPCB)	V4-T2-274
Type ELC Current Limiter Attachment (Size 0–4)	V4-T2-276
Current Limiting Circuit Breaker Module	V4-T2-277
Internal Accessories	V4-T2-281
External Accessories	V4-T2-312

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

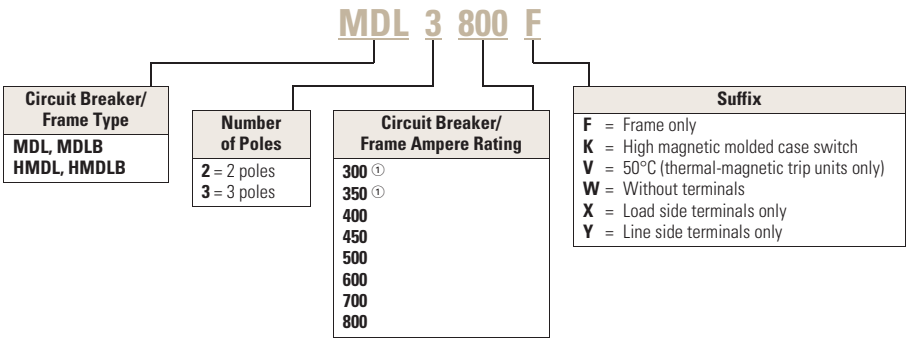
- CE marked



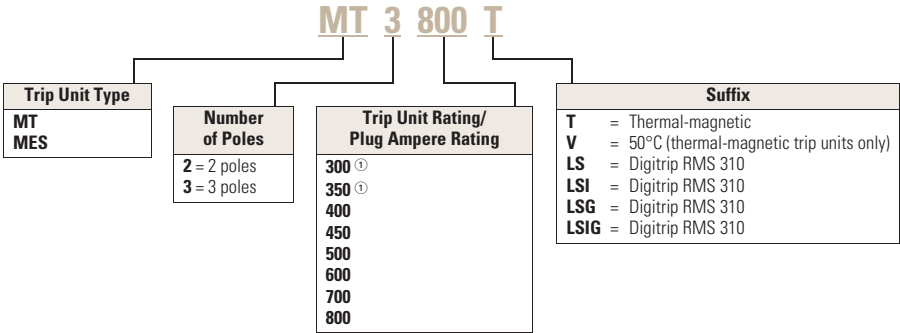
Catalog Number Selection

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 Adjustable Short Time Pickup with I²t Short Delay Ramp	Options Independently Adjustable Short Time Pickup and Delay Ground Fault Protection	Adjustable Short Time Pickup with I²t Short Delay and Ground Fault Protection	Independently Adjustable Short Time Pickup and Ground Fault Protection	Ampere Rating	Fixed Rating Plug Catalog Number	Adjustable Rating Plug Ampere Rating	
800	CMDL3800F	CHMDL3800F	MES3800LS	MES3800LSI	MES3800LSG	MES3800LSIG	400	8MES400T	400/500/600/800 A8MES800T	See Page V4-T2-224 for standard and optional terminals
							500	8MES500T		
							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.