

Molded Case Circuit Breaker Product Family



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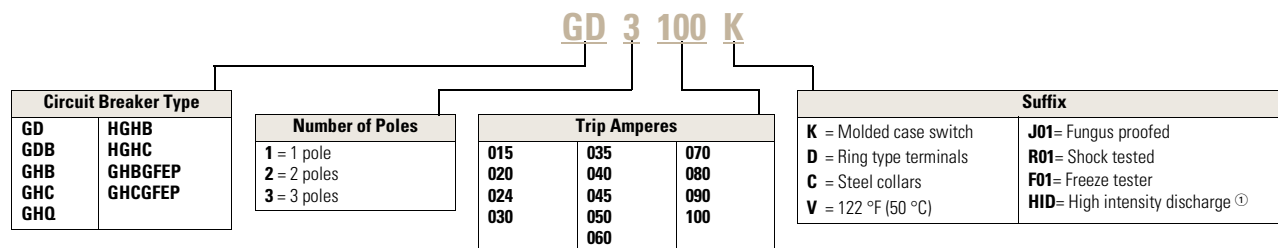
G-Frame (15–100 Amperes)

Product Description

- All two- and three-pole circuit breakers are of the common trip type. On all three-phase delta (240 V) Grounded B phase applications, refer to Eaton
- Single-pole circuit breakers, 15 and 20 amperes. Switching duty rated (SWD) for fluorescent lighting applications
- All G-Frame circuit breakers are suitable for reverse feed use
- HACR rated

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**Technical Data and Specifications****UL 489 Interrupting Capacity Ratings**

Circuit Breaker Type	Number of Poles	Interrupting Capacity (kA Symmetrical Amperes)						Volts DC	
		Volts AC (50/60 Hz)					480Y/277	125 ②	250 ③④
		120	240	277	480				
GDB	2, 3	—	—	—	14	—	—	—	10
GD	2	—	65	—	14	—	—	—	10
GD	3	—	65	—	22	—	—	—	10
GHQ	—	65	—	14	—	—	—	—	—
GHB	1	65	—	14	—	—	14	14	—
GHB	2, 3	—	65	—	—	14	14	14	—
HGHB	1	65	—	25	—	—	14	14	—
GHC	1	65	—	14	—	—	14	14	—
GHC	2, 3	—	65	—	—	14	14	14	—
HGHC	1	65	—	25	—	—	14	14	—

Terminal Types

For line and load-side. Terminals are UL listed as suitable for wire type and size given below.

Terminal Types

Circuit Breaker Amperes	Terminal Type Material	Screw Head Type	Wire Type	AWG Wire Range	Metric Wire Range (mm ²) ⑤
Standard					
15–20	Clamp (plated steel)	Slotted	Cu/Al	14–10	2.5–4
25–100	Pressure (aluminum body)	Slotted	Cu/Al	10–1/0	4–50
Optional—GD, GHB, GHC					
15–100	Pressure (steel body)	Slotted	Cu	14–3	—

Notes

- ① HID suffix only applies to the GHB and GHC single-pole, 15–20 A circuit breakers.
 ② Single-pole breakers can be applied in DC systems up to 70 A.
 ③ Time constant is 8 milliseconds minimum.
 ④ Two poles of three-pole circuit breaker.
 ⑤ Not UL listed sizes.

Typical G-Frame Circuit Breaker



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Type GD Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units (15–100 Amperes)

Product Description

- Cable in, cable out
- Includes mounting hardware and BMHE

Standards and Certifications

- UL/CSA



Product Selection

Type GD Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units

Maximum Continuous Ampere Rating at 40 °C	480 Vac Maximum, 250 Vdc		Includes Binding Head Screws and Clamps 10–32 x 0.312
	14 kAIC at 480 Vac Includes Line and Load Terminals	22 kAIC at 480 Vac	
	Two-Pole Catalog Number	Three-Pole Catalog Number	Three-Pole Catalog Number
15	GD2015	GD3015	GD3015D
20	GD2020	GD3020	GD3020D
25	GD2025	GD3025	GD3025D
30	GD2030	GD3030	GD3030D
35	GD2035	GD3035	GD3035D
40	GD2040	GD3040	GD3040D
45	GD2045	GD3045	GD3045D
50	GD2050	GD3050	GD3050D
60	—	GD3060	GD3060D
70	—	GD3070	GD3070D
80	—	GD3080	GD3080D
90	—	GD3090	GD3090D
100	—	GD3100	GD3100D

Dimensions

Approximate Dimensions in Inches (mm)

GD-Frame, Three-Pole