

Molded Case Circuit Breaker Product Family



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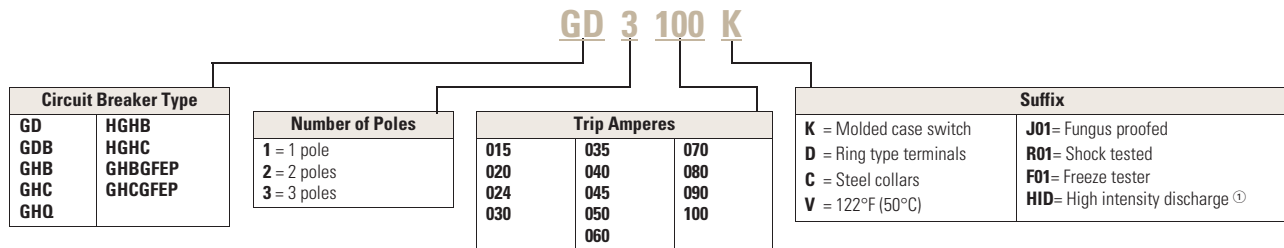
G-Frame (15–100 Amperes)

Product Description

- All two- and three-pole circuit breakers are of the common trip type. On all three-phase delta (240V) 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 AC (50/60 Hz)			Volts DC		
		120	240	277	480	480Y/277	250 ②③
GDB	2, 3	—	—	—	14	—	10
GD	2	—	65	—	14	—	10
GD	3	—	65	—	22	—	10
GHQ	—	65	—	14	—	—	—
GHB	1	65	—	14	—	14	—
GHB	2, 3	—	65	—	—	14	—
HGHB	1	65	—	25	—	14	—
GHC	1	65	—	14	—	14	—
GHC	2, 3	—	65	—	—	14	—
HGHC	1	65	—	25	—	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) ④
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 Only					
15–100	Pressure (steel body)	Slotted	Cu	14–3	—

Notes

① HID suffix only applies to the GHB and GHC single-pole, 15–20A circuit breakers.

② Time constant is 8 milliseconds minimum.

③ Two poles of three-pole circuit breaker.

④ 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 14 kAIC at 480 Vac 22 kAIC at 480 Vac Includes Line and Load Terminals		Includes Binding Head Screws and Clamps 10–32 x 0.312 Three-Pole Catalog Number
	Two-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

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

Maximum Continuous Ampere Rating at 40°C	480 Vac Maximum, 250 Vdc 14 kAIC at 480 Vac Includes Line and Load Terminals	
	Two-Pole Catalog Number	Three-Pole Catalog Number
15	GDB2015	GDB3015
20	GDB2020	GDB3020
25	GDB2025	GDB3025
30	GDB2030	GDB3030
35	GDB2035	GDB3035
40	GDB2040	GDB3040
45	GDB2045	GDB3045
50	GDB2050	GDB3050
60	—	GDB3060
70	—	GDB3070
80	—	GDB3080
90	—	GDB3090
100	—	GDB3100

Type GD Molded Case Switches**Type GD Molded Case Switches—Three-Pole**

Maximum Continuous Ampere Rating at 40°C	480 Vac Maximum, 250 Vdc Catalog Number (Includes Line and Load Terminals)	
60	GD3060K	
60	GD3060KC ^①	
100	GD3100K	
100	GD3100KD ^②	

Notes

^① Includes line and load steel terminals.

^② Includes binding head screws and clamps 10–32 x 0.312.

Molded case switches may open above 1300 amperes.

2.3

Molded Case Circuit Breakers

Series C

Dimensions

Approximate Dimensions in Inches (mm)

2

GD-Frame, Three-Pole

