

Product Description

- All two- and three-pole circuit breakers are of the common trip type. On all 3-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.

Technical Data and Specifications

CSA C22.2 No. 5 and UL489 Interrupting Capacity Ratings

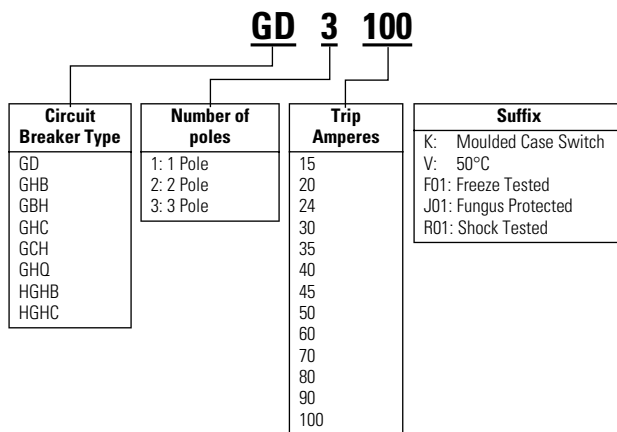
Circuit Breaker Type	Number of Poles	Interrupting Capacity (Symmetrical Amperes) (kA)						Section Page Number
		Volts Ac (50/60 Hz)				Volts Dc		
		120	240	277	480	125/250 ^②	250 ^{①②}	
GD	2	–	65	–	14	10	–	G-2
	3	–	65	–	22	–	10	

Circuit Breaker Type	Number of Poles	Interrupting Capacity (Symmetrical Amperes) (kA)							Section Page Number	
		Volts Ac (50/60 Hz)					Volts Dc			
		120	240	277	347	480Y/277	600Y/347	125		125/250 ^{①②}
GHQ	1	–	–	14	–	–	–	–	–	G-3
HGHB	1	–	–	25	–	–	–	14	–	G-3
GHB	1	65	–	14	–	–	–	14 ^③	–	G-3
	2, 3	–	65	–	–	14	–	–	14	G-3
GBH ^④	1	65	–	14	10	–	–	14 ^③	–	G-3
	2, 3	–	65	–	–	14	10	–	14	G-3
HGHC	1	–	–	25	–	–	–	14	–	G-4
GHC	1	65	–	14	–	–	–	14 ^③	–	G-4
	2, 3	–	65	–	–	14	–	–	14	G-4
GCH ^④	1	65	–	14	10	–	–	14 ^③	–	G-4
	2, 3	–	65	–	–	14	10	–	14	G-4
GHBGFEP ^⑤	1	–	–	14	–	–	–	–	–	G-6
GHCGFEP ^⑤	1	–	–	14	–	–	–	–	–	G-6

Catalogue Numbering System

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

Circuit Breaker/Frame Catalogue Number



Terminal Types

Circuit Breaker Amperes	Terminal Type Material	Screw Head Type	Wire Type	AWG Wire Range	Metric Wire [®] Range (mm ²)
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	–

Terminal Torque Values

AWG Wire Range	Torque Value bl-in	Torque Value N.m.
#14-#10	20	2.26
#8	40	4.52
#6-#4	45	5.09
#3-1/0	45	5.09

① Two poles of 3-pole circuit breaker. Two poles in series for 250 VDC application.
 ② Time constant is 8 milliseconds minimum.
 ③ 15 through 70A breakers only.
 ④ CSA listed only, Not UL listed.
 ⑤ UL listed only, not CSA listed.
 ⑥ Not CSA and UL listed sizes.

Types GHB, GBH, GHQ and HGHB Bolt-On Panelboard Circuit Breakers

Type GHB, 277 and 480Y/277V
 Type GBH, 347 and 600Y/347V
 Type GHQ, 277V
 Type HGHB, 277V

Typical GBH



Type GHB Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units^④

Continuous Ampere Rating @ 40°C	277 Vac Maximum, 125 Vdc Maximum ^①		480Y/277 Vac Maximum, 125/250 Vdc Maximum		480Y/277 Vac Maximum, 125/250 Vdc Maximum ^②	
	1-Pole		2-Pole		3-Pole	
	Catalogue Number					
15	GHB1015 ^③		GHB2015 ^③		GHB3015 ^③	
20	GHB1020 ^③		GHB2020 ^③		GHB3020 ^③	
25	GHB1025		GHB2025		GHB3025	
30	GHB1030		GHB2030		GHB3030	
35	GHB1035		GHB2035		GHB3035	
40	GHB1040		GHB2040		GHB3040	
45	GHB1045		GHB2045		GHB3045	
50	GHB1050		GHB2050		GHB3050	
60	GHB1060		GHB2060		GHB3060	
70	GHB1070		GHB2070		GHB3070	
80	GHB1080		GHB2080		GHB3080	
90	GHB1090		GHB2090		GHB3090	
100	GHB1100		GHB2100		GHB3100	

Type GBH Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units^⑤

Continuous Ampere Rating @ 40°C	347 Vac Maximum, 125 Vdc Maximum ^①		600Y/347 Vac Maximum, 125/250 Vdc Maximum		600Y/347 Vac Maximum, 125/250 Vdc Maximum ^②	
	1-Pole		2-Pole		3-Pole	
	Catalogue Number					
15	GBH1015 ^③		GBH2015 ^③		GBH3015 ^③	
20	GBH1020 ^③		GBH2020 ^③		GBH3020 ^③	
25	GBH1025		GBH2025		GBH3025	
30	GBH1030		GBH2030		GBH3030	
35	GBH1035		GBH2035		GBH3035	
40	GBH1040		GBH2040		GBH3040	
45	GBH1045		GBH2045		GBH3045	
50	GBH1050		GBH2050		GBH3050	
60	GBH1060		GBH2060		GBH3060	
70	GBH1070		GBH2070		GBH3070	
80	GBH1080		GBH2080		GBH3080	
90	GBH1090		GBH2090		GBH3090	
100	GBH1100		GBH2100		GBH3100	

Instruction Leaflet Number 15547.

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

Continuous Ampere Rating @ 40°C	277V AC Maximum 14 KAIC, No DC Rating (HID & SWD)	
	1-Pole	
	Catalogue Number	
15	GHQ1015	
20	GHQ1020	

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

Continuous Ampere Rating @ 40°C	277V AC Maximum, 125V DC Maximum	
	1-Pole	
	Catalogue Number	
15	HGHB1015	
20	HGHB1020	
25	HGHB1025	
30	HGHB1030	

① 15 through 70 ampere circuit breakers only.

② Use (2) outside poles. Two poles in series for 250VDC application.

③ Uses .190-32 screw type clamp terminals.

④ 480Y/277V, circuit breakers (Type GHB) not suitable for 3-phase Delta (480V).

⑤ 600Y/347V, circuit breakers (Type GBH) not suitable for 3-phase Delta (600V). CSA listed only. Not UL listed