

Applications:

Motor Control Power Circuit	UPS
HVACR equipment	Relays
PLC I/O protection	Computers
Control Instrumentation	Power Supplies
Power Conditioners	Miscellaneous

Features:

- UL489 Listed – branch circuit protective device
- UL1077 Recognized – supplemental protective device
- UL File Number E547330
- CE Certified
- 21 current rating configurations from 0.5A to 63A
- Single Pole, Double Pole and Three Pole available
- “B”, “C” and “D” trip curves offered
- Visible contact position indicator
- Current Limiting Thermal/Magnetic Trip
- Reverse feed capable
- 35mm DIN rail or direct panel mounting
- Optional bus bar connected primary
- Touch safe terminals (IP20)
- 10kAIC at 277/480Y VAC
- 60VDC for single pole
- 125VDC two pole wired in series
- Locking Device available
- Auxiliary and Alarm contacts available
- Shunt Trip and Undervoltage Release modules available



Catalog Number Nomenclature

CGM

B

1

C

15

-AX11

Product Type	UL Type	Poles	Trip	Amps	Code	Accessories
CDM -MCB	S- UL1077	1	B	0.5A	XY	-AX11 Auxiliary 1NO, 1NC
	B- UL489	2	C	1.0A	01	-AL11 Alarm 1NO, 1NC
		3	D	1.6A	XZ	-ST11 Shunt Trip 110V
				2A	02	-ST23 Shunt Trip 230V
				3A	03	-UV11 Undervoltage 110V
				4A	04	-UV23 Undervoltage 230V
				5A	05	-LK Lock Attachment
				6A	06	
				7A	07	25A 25
				8A	08	30A 30
				10A	10	32A 32
				13A	13	40A 40
				15A	15	50A 50
				16A	16	60A 60
				20A	20	63A 63

Examples:

UL1077 "B" 1P	UL1077 "C" 2P	UL1077 "D" 3P
CGMS1BXY	CGMS2C20	CGMS3D10
CGMS1B01	CGMS2C30	CGMS3D40
CGMS3BXZ	CGMS2C60	CGMS3D50
UL489 "B" 1P	UL489 "C" 2P	UL489 "D" 3P
CGMB1B02	CGMB2C10	CGMB3D20
CGMB1B05	CGMB2C15	CGMB3D30
CGMB3B08	CGMB2C20	CGMB3D60

UL recognized MCB accessories			
Name of the product	Cat Number	Ratings	Pole Configuration
 MCB - 2 Pole side Mounted Auxiliary. 1 No /1 NC	CGA-AX11	6A @ 240V Ac	2 Pole (1 NO / 1 NC)
		1A @ 125V Dc	
		2A @ 48V Dc	
		6A @ 24V Dc	
 MCB - Auxiliary with Alarm / signal, 2 Pole Side Mounted, 1 No /1 NC	CGA-AL11	3A @ 400V Ac	2 Pole (1 NO / 1 NC)
		6A @ 230V Ac	
 MCB - Shunt Trip Module, Side Mounted, 110V 50/60Hz	CGA-ST11	110V Ac 50/60Hz	-
 MCB - Shunt Trip Module, Side Mounted, 230V 50/60Hz	CGA-AX23	230V AC 50/60Hz	-
 MCB - Undervoltage / Over Voltage Module Side Mounted, 110V 50/60Hz	CGA-UV11	110V AC 50/60Hz	-
 MCB - Undervoltage / Over Voltage Module Side Mounted, 230V 50/60Hz	CGA-UV11	230V AC 50/60Hz	-
 MCB - Lock-of Adapter	CGA-LOCK	-	-



Electrical and Mechanical Specifications

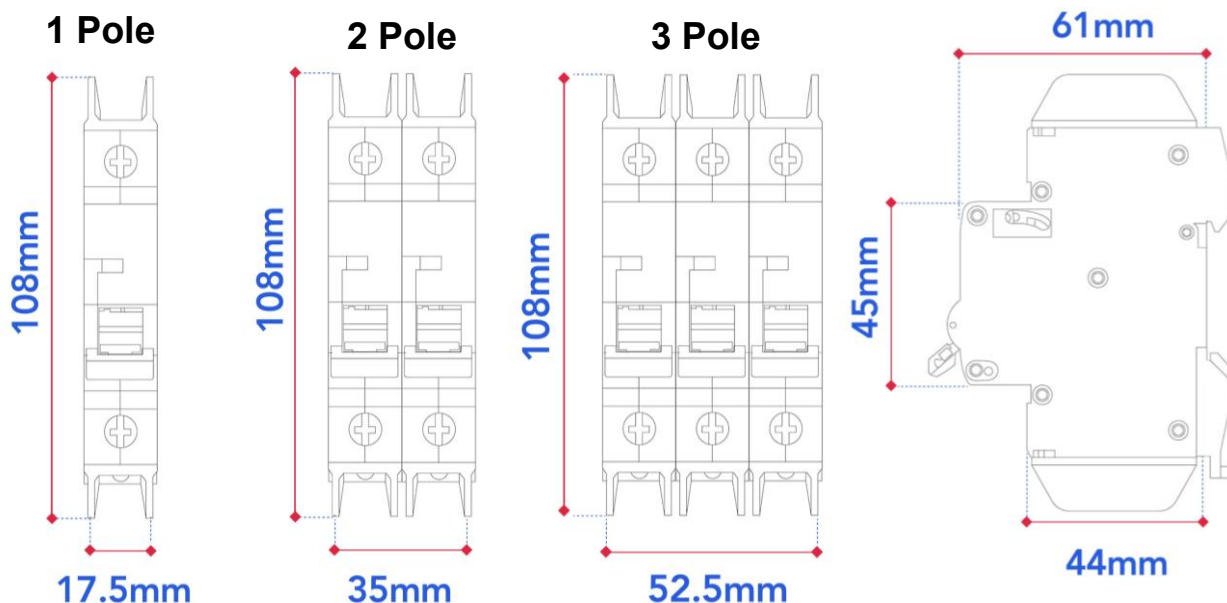
	Units	1 Pole	2 Pole	3 Pole
ELECTRICAL GENERAL				
Rated Operating Current	A	0.5 ~63A		
Rated Operating Frequency	Hz	50 / 60		
Electrical Life	Ops	6,000		
Line & Load Wiring		Suitable for reverse feed		
ELECTRICAL UL/CSA APPLICATIONS				
Conformity Standards		UL 489, CSA C22.2 No.235		
AC Rated Operating Voltage	VAC	277	480Y / 277	480Y / 277
DC Rated Operating Voltage (wired in series)	VDC	60	125	-
MAXIMUM SHORT CIRCUIT RATING				
@ 120 VAC	kA	10		
@ 240 VAC	kA	10		
@ 277 VAC	kA	10		
@ 480Y / 277 VAC	kA	10		
@ 48 VDC	kA	10	10	-
@ 96VDC (wired in series)	kA	-	10	-
ELECTRICAL IEC APPLICATIONS				
Conformity to Standards		IEC 60947 - 2		
ULTIMATE SHORT CIRCUIT BREAKING				
@ 240 VAC	kA	10		
@ 415 VAC	kA	10		
ULTIMATE SHORT CIRCUIT BREAKING CAPACITY (Ics)				
@ 240 VAC	kA	10		
@ 415 VAC	kA	10		

	Units	1 Pole	2 Pole	3 Pole
MECHANICAL				
Mechanical Endurance	Ops.	20,000		
ENVIRONMENTAL				
Ambient Operating Temperature	°C / °F	-25 to 55 / -13 to 131		
Ambient Storage Temperature	°C / °F	-25 to 80 / -13 to 176		
Calibration Temperature	°C / °F	40 / 104		
Altitude	m / ft.	2,000 / 6,562		
Shock	G	15		
CONSTRUCTION				
INGRESS PROTECTION				
Line & Load Terminations	IP	20		
WEIGHT		0.125	0.25	0.50
	lbs	0.275	0.55	1.10
CONDUCTOR SIZE				
UL/CSA	AWG	1 x #18 ~ #3		
Solid, Stranded, Fine Stranded	mm2	1 x 0.82 ~ 26.7		
TERMINAL WIRING CONNECTION				
Wire Type		Copper wire only, 60 / 75°C		
TERMINAL TORQUE				
	Nm/lb-in	2.5 / 22.2		





DIMENSIONAL DRAWINGS



TRIP CHARACTERISTICS

