



# C-FRAME SERIES CIRCUIT BREAKER



## Applications

- Power Supplies
- Generator Sets
- Office Machines
- Automatic Control Systems
- Power Conversion Systems
- Telecom Power Distribution
- Marine Panels
- Lighting Equipment

## Features

- Hydraulic Magnetic Technology
- Current Ratings to 30 A
- One, Two and Three Poles
- Quick Connect & Screw Terminals
- Optional Handle Colors
- UL1077 Recognized & CSA Certified
- Conforms to EN60934 CE Marking, VDE
- UL 489A @ 30 VDC, 5000 AIC

## Technical Data

• Approvals	UL1077/CSA	VDE (EN 60934)	UL 489A
• Number of Poles	1, 2, 3	1, 2, 3	1
• Maximum Voltage	277 VAC (1 pole) 240 VAC (1, 2, 3 pole) 65 VDC (1, 2, pole)	240 VAC (1, 2, 3 pole) 65 VDC (1, 2, pole)	30 VDC
• Interrupting Capacity	3 kA @ 277 VAC 1 kA @ 65 VDC	3 kA @ 240 VAC 1 kA @ 65 VDC	5 kA @ 30 VDC
• Current Rating	0.02 A to 30 A		
• Time Delays	Instantaneous, Short, Medium, Long		
• Dielectric Strength	1500 V @ 50/60 Hz		
• Insulation Resistance	100 Megohms @ 500 VDC		
• Operating Temp. Range	-40°C to +85°C		

## Time Delay Data

Std. Curve Codes	Limits	Percentage of Rated Current Trip Time in Seconds									
		125%	150%	200%	300%	400%	500%	600%	800%	1000%	1200%
AS	Min (s)	90	32	12	3.5	0.6	0.012	<0.01	<0.01	<0.01	<0.01
	Max (s)	1200	400	100	37	17	10	4	0.18	0.058	<0.01
BS	Min (s)	15	7.3	2.6	0.47	0.06	0.012	0.006	0.0042	0.0037	0.0036
	Max (s)	300	90	30	8	3.2	1.4	0.7	0.08	0.05	0.04
CS	Min (s)	1.3	0.65	0.28	0.09	0.04	0.015	0.006	0.0043	0.004	0.004
	Max (s)	40	7	2.5	0.8	0.49	0.36	0.28	0.075	0.048	0.03

Contact Customer Service for availability of additional Current Ratings and Time Delay Curves.  
Curves are available online at [www.CBIbreakers.com](http://www.CBIbreakers.com)

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**Part Number Coding** Example Code: **CF - C - C - 1 - E - D - B - 00 - P - BS - 2500 - X**

Group Number: 1 2 3 4 5 6 7 8 9 10 11 12

Group 1: Frame & Mounting	
Code	Description
CF	Std. Mount

Group 2: Terminations	
Code	Description
C	Push-on
31	Screw (8-32, H4)
32	Screw (10-32, H5)
Z	Special

Group 3: Mounting	
Code	Description
A	Metric
C	Imperial

Group 4: No. of Poles	
Code	Description
1	Single
2	Double
3	Triple

Group 5: Rated Voltages	
Code	Description
E	65 V
P	240 V
M	65 VDC/240 VAC
Z	Special

Group 6: Voltage Type	
Code	Description
A	AC
D	DC
M	AC/DC
Z	Special

Group 7: Circuit Configuration	
Code	Description
A	Switch
B	Series Trip
Z	Special

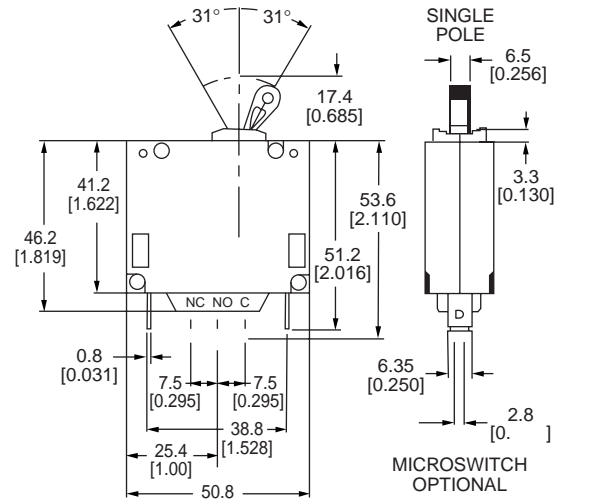
Group 8: Aux. Switch	
Code	Description
00	None
10	6 A Form C

Group 9: Handles	
Code	Description
C	White I/O
D	Black I/O
N	W. On/Off
P	B. On/Off

Group 10: Time Delay	
Code	Description
AS	Long
BS	Medium
CS	Short
OP	Instantaneous
OX	Switch

Group 11: Current Rating	
Code	Description
100M	100 mA
0100	1 A
2500	25 A
3000	30 A

Group 12: Relay Trip Coils	
Code	Description
X	Not Applicable



Dimensions in millimeters.  
25.4 mm = 1"

