



C-FRAME SERIES CIRCUIT BREAKER

APPLICATIONS

- Telecom DC Power Distribution
- UPS Equipment
- Mobile Power-Generation Equipment
- Power Conditioning
- Alternative Energy Equipment
- Lighting Controls

FEATURES

- Hydraulic-Magnetic Technology
- 100% Rating Capability Independent of Ambient Temperature
- UL Recognised
- CSA and VDE Approved
- Wide Range of Terminations
- Wide Range of Ampere Ratings and Time Delays



TECHNICAL DATA

Approvals	UL1077/CSA	VDE (EN 60934)
Number of Poles	1, 2, 3	1, 2, 3
Maximum Voltage	277V AC (1 pole) 240V AC (2, 3 pole) 65V DC (1 pole)	240V AC (1, 2, 3 pole) 65V DC (1 pole)
Interrupting capacity	3kA @ 277V AC 1kA @ 65V DC	3kA @ 240V AC 1kA @ 65V DC
Current Rating	0.10A to 30A	
Operating Temperature Range	-40°C TO +85°C	

TIME DELAY DATA

Std. Curve Codes	Limits	Percentage of Rate Current Trip Time in Seconds									
		125%	150%	200%	300%	400%	500%	600%	800%	1000%	1200%
AS	Mins (s)	90	32	12	3.5	0.6	0.012	0.008	0.0064	0.005	0.0044
	Max (s)	1200	400	100	37	17	10	5.6	0.2	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 your nearest CBI office for availability of additional Time Delay Curves.
Curves are available online at www.cbibreakers.com or www.cbi.co.za.

SUPERIOR PRODUCTS THROUGH EXPERIENCE

EQUIPMENT PROTECTION



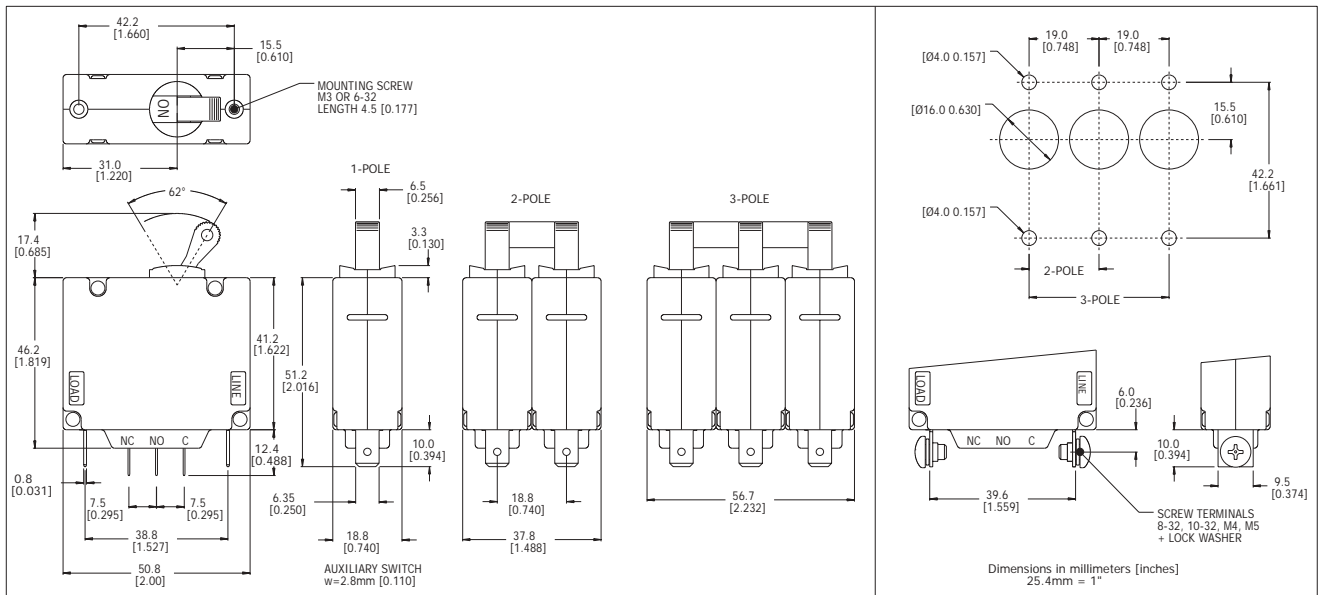


TECHNICAL DATA C-FRAME SERIES CIRCUIT BREAKER

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**
 (For Multi-poles Pole 1 is the left hand pole, viewed from Front, Line Side on Top)

Group 1: Frame & Mounting		Group 4: Number of Poles		Group 7: Circuit Configuration		Group 10: Time Delay	
Code	Description	Code	Description	Code	Description	Code	Description
CF	Std. Mounting	1	Single	B	Series Trip	AS	Long
		2	Double	Z	Special	BS	Medium
		3	Triple			CS	Short
						ZZ	Special
Group 2: Terminations		Group 5: Rated Voltages		Group 8: Auxillary Switch		Group 11: Current Rating	
Code	Description	Code	Description	Code	Description	Code	Description
C	Push-on	E	65 V DC	00	None	100M	100 mA
31	Screw (8 - 32, M4)	P	240 V AC	10	1 Change over	0100	1 A
32	Screw (10 - 32, M5)	M	65 VDC/240 VAC	11	1 Change over Gold plated	2500	25 A
Z	Special	Z	Special			3000	30 A
Group 3: Mounting		Group 6: Voltage Type		Group 9: Handles		Group 12: Relay Trip Coils	
Code	Description	Code	Description	Code	Description (I - ON / O - OFF)	Code	Description
A	Metric	A	AC	K	White (I / O) and On / Off	X	Not Applicable
C	Imperial	D	DC	L	Black (I / O) and On / Off		
		M	AC/DC	2	White (No Markings)		
				3	Black (No Markings)		
				Z	Special (Specify)		



Contact your nearest CBI office for availability of additional options.
 View the latest options on line at www.cbibreakers.com or www.cbi.co.za.

SUPERIOR PRODUCTS THROUGH EXPERIENCE

Circuit Breaker Industries Ltd

Private Bag 2016 Isando 1600
 Tripswitch Drive Elandsfontein
 Gauteng South Africa
 Tel: +27 11 928 2000 Fax: +27 11 392 2354
 E-mail: cbi@cbi.co.za Website: www.cbi.co.za

Circuit Breaker Industries GmbH
 Postfach 101240 D-86882
 Landsberg Germany
 Tel: +49 8191 9472900 Fax: +49 8191 94729011
 E-mail: office@cbibreakers.de Website: www.cbibreakers.com

Circuit Breaker Industries Inc
 35E Uwchlan Ave Suite 328
 Exton PA 19341 USA
 Tel: 610 524 9949 Fax: 610 524 9945
 E-mail: info@cbibreakers.com Website: www.cbibreakers.com