

# Emax power circuit-breakers

## Emax E2.2



### Common data

UL 1066	
Rated voltage	600 V AC
Rated maximum voltage	635 V AC
Test voltage (1 min. 50/60 Hz)	2.2 kV
Frequency	50 - 60 Hz
Number of poles	3 - 4
Version	Fixed (F) - Drawout (W)

Type of circuit-breaker		Emax E2.2					
		B-A	N-A	S-A	H-A	V-A	
Level of performance							
Frame size	[A]	1600	1600	800	800	250	
	[A]	•	2000	1200	1200	400	
	[A]	•	•	1600	1600	800	
	[A]	•	•	2000	2000	1200	
	[A]	•	•	•	•	1600	
	[A]	•	•	•	•	2000	
Capacity of neutral pole for 4 pole circuit-breakers	[% Iu]	100	100	100	100	100	
Rated short circuit current at max. voltage	254 V	[kA]	42	50	65	85	100
	508 V	[kA]	42	50	65	85	100
	635 V	[kA]	42	50	65	85	85
Rated short time current (1s)	[kA]	42	50	65	85	85	
Trip units							
Ekip Dip		•	•	•	•	•	
Ekip Touch		•	•	•	•	•	
Ekip HI-Touch		•	•	•	•	•	
Ekip G Touch		•	•	•	•	•	
Ekip G HI-Touch		•	•	•	•	•	
Trip times							
Break time with fault current < rated short time current	[ms]	40	40	40	40	40	
Break time with fault current > rated short time current	[ms]	25	25	25	25	25	
Mechanical and electrical life with regular ordinary maintenance							
Mechanical life	[No. Cycles x 1000]			25			
Operation frequency	[Cycles / hour]			60			
Electrical life (at max. voltage)	[No. Cycles x 1000]	15 (less than 1600A) ; 10 (1600A) ; 8 (2000A)					
Operation frequency	[Cycles / hour]			30			
Weights (circuit breaker complete with trip unit, Horz. rear terminals, CS. Excluding accessories)							
Fixed (3p/4p)	[kg]			52/67			
	[lbs]			115/148			
Draw out (3p/4p)	[kg]	58/68 (up to 1600A) ; 61/108 (2000A)					
	[lbs]	128/150 (up to 1600A) ; 135/239 (2000A)					

# Contact us

## Canada

**ABB Inc.**

**Low Voltage Products**

**2117 – 32nd Avenue**

**Lachine, QC, CANADA H8T 3J1**

**Tel.: 514-420-3100**

**Fax: 514-420-3137**

**Toll Free: 1-800-567-0283**

**[www.abb.ca](http://www.abb.ca)**

While all care has been taken to ensure that the information contained in this publication is correct, no responsibility can be accepted for any inaccuracy. The Company reserves the right to alter or modify the information contained herein at any time in the light of technical or other developments. Technical specifications are valid under normal operating conditions only. The Company does not accept any responsibility for any misuse of the product and cannot be held liable for indirect or consequential damages.

© Copyright 2015 ABB Inc. All rights reserved.

