

Emax power circuit-breakers

Emax E6.2



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 E6.2			
		H-A	V-A	L-A	X-A ⁽¹⁾
Level of performance					
Frame size	[A]	4000	4000	4000	4000
	[A]	5000	5000	5000	5000
	[A]	6000 ⁽¹⁾	6000 ⁽¹⁾	6000 ⁽¹⁾	6000 ⁽¹⁾
Capacity of neutral pole for 4 pole circuit-breakers		[% Iu]	50-100	50-100	50-100
Rated short circuit current at max. voltage	254 V	[kA]	85	100	150
	508 V	[kA]	85	100	200
	635 V	[kA]	85	100	200
Rated short time current (1s)		[kA]	85	100	100
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
Break time with fault current > rated short time current	[ms]	25	25	25	25
Mechanical and electrical life with regular ordinary maintenance					
Mechanical life	[No. Cycles x 1000]			12	
Operation frequency	[Cycles / hour]			60	
Electrical life (at max. voltage)	[No. Cycles x 1000]			4 (4000A) ; 2 (5000A & 6000A)	
Operation frequency	[Cycles / hour]			10	
Weights (circuit breaker complete with trip unit, Horiz. rear terminals, CS. Excluding accessories)					
Fixed (3p/4p/4p full size)	[kg]			142/163/184	
	[lbs]			314/360/406	
Draw out (3p/4p/4p full size)	[kg]			220/251/281	
	[lbs]			486/554/620	

⁽¹⁾ Contact ABB for availability

Contact us

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