

UL Circuit Breakers

Emax
Power breakers



E4



E6

Common Data

Voltages

Rated maximum voltage	[V]	635
Rated voltage	[V]	600
Test voltage (1 min, 50/60Hz)	[kV]	2.2
Frequency	[Hz]	50 - 60
Number of poles		3 -4
Version		Fixed (B) - Draw out (D)

UL

Levels of performance		E4					E6				
		S-A	H-A	V-A	L-A	H-A/f ①	H-A	V-A	L-A	H-A/f ①	
Frame Size	[A]	3200	3200	3200	3200	3200	4000	4000	4000	4000	
	[A]	3600	3600	3600	3600	3600	5000	5000	5000	5000	
	[A]	—	—	—	—	—	—	—	—	—	
	[A]	—	—	—	—	—	—	—	—	—	
	[A]	—	—	—	—	—	—	—	—	—	
Capacity of neutral pole for four-pole circuit breakers	[%Iu]	50	50	50	50	100	50	50	50	100	
Rated short circuit current	240V	[kA]	85	100	100	150	100	125	125	150	125
	480V	[kA]	65	85	100	150	85	85	125	150	85
	600V	[kA]	65	85	100	100	85	85	100	100	85
	Rated short time current	[kA]	65	85	100	100	85	100	100	100	100
Trip Units	PR121/P	•	•	•	•	•	•	•	•	•	
	Pr122/P	•	•	•	•	•	•	•	•	•	
	PR123/P	•	•	•	•	•	•	•	•	•	

Trip Times

Make time (max)	[ms]	80	80	80	80	80	80	80	80	80
Break time (<ST current) (max)	[ms]	70	70	70	70	70	70	70	70	70
Break time (>ST current) (max)	[ms]	30	30	30	30	30	30	30	30	30

Overall dimensions

Fixed: H = 418mm/16.46 in; D = 302 mm/11.89 in

W (3 poles/4 poles)	[mm]	566/656	746	782/908	1034
W (3 poles/4 poles)	[in]	22.28/25.83	29.37	30.79/35.78	40.71

Draw out: H = 461mm/18.15 in; D = 396.5 mm/15.61 in

W (3 poles/4 poles)	[mm]	594/684	774	810/936	1062
W (3 poles/4 poles)	[in]	23.39/26.93	30.47	31.89/36.85	41.81

Weights (circuit breaker complete with trip unit, RH terminals, CS, excluding accessories)

Fixed	3 poles/4 poles	[Kg]	97/117	125	140/160	185
	3 poles/4 poles	[lbs]	214/258	276	308/353	408
Draw out	3 poles/4 poles	[Kg]	147/165	200	210/240	275
	3 poles/4 poles	[lbs]	324/363	441	463/529	607

		E4 S-A / H-A / V-A / L-A / H-A/f					E6 H-A / V-A / L-A / H-A/f			
Continuous current rating Iu	[A]	3200		3600			4000		5000	
Mechanical life with regular ordinary maintenance	[No. operations x 1000]	8		8			8		8	
Operation frequency	[Operations/hour]	30		30			30		30	
Electrical life	[No. operations x 1000]	5		5			5		3	
Operation frequency	[Operations/hour]	30		30			30		30	

① Four poles only