

UL Circuit Breakers



E1



E2



E3

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)

		E1		E2				E3				
		B-A	N-A	B-A	N-A	S-A	H-A	N-A	S-A	H-A	V-A	
Levels of performance												
Currents												
Frame Size	[A]	800	800	1600	800	800	800	2000	800	800	800	
	[A]	1200	1200	—	1200	1200	1200	2500	1200	1200	1200	
	[A]	—	—	—	1600	1600	1600	—	1600	1600	1600	
	[A]	—	—	—	—	—	—	—	2000	2000	2000	
	[A]	—	—	—	—	—	—	—	2500	2500	2500	
Capacity of neutral pole for four-pole circuit breakers	[%Iu]	100	100	100	100	100	100	100	100	100	100	
Rated short circuit current												
	240V	[kA]	42	50	42	65	65	85	65	85	85	125
	480V	[kA]	42	50	42	50	65	85	50	65	85	125
600V	[kA]	42	50	42	50	65	65	50	65	85	100	
Rated short time current	[kA]	42	50	42	50	65	65	50	65	65	85	
Trip Units												
	PR121/P		•	•	•	•	•	•	•	•	•	
	Pr122/P		•	•	•	•	•	•	•	•	•	
PR123/P		•	•	•	•	•	•	•	•	•		

Trip Times											
Make time (max)	[ms]	80	80	80	80	80	80	80	80	80	80
Break time (I<ST current) (max)	[ms]	70	70	70	70	70	70	70	70	70	70
Break time (I>ST current) (max)	[ms]	30	30	30	30	30	12	30	30	30	30

Overall dimensions											
Fixed: H = 418mm/16.46 in; D = 302 mm/11.89 in											
W (3 poles/4 poles)	[mm]	296/386		296/386				404/530			
W (3 poles/4 poles)	[in]	11.65/15.2		11.65/15.2				15.91/20.82			
Draw out: H = 461mm/18.15 in; D = 396.5 mm/15.61 in											
W (3 poles/4 poles)	[mm]	324/414		324/414				432/558			
W (3 poles/4 poles)	[in]	12.76/16.3		12.76/16.3				17.01/21.97			
Weights (circuit breaker complete with trip unit, RH terminals, CS, excluding accessories)											
Fixed											
3 poles/4 poles	[Kg]	45/54		50/61				66/80			
3 poles/4 poles	[lbs]	99/119		110/134				145/176			
Draw out											
3 poles/4 poles	[Kg]	70/82		78/93				104/125			
3 poles/4 poles	[lbs]	154/181		172/205				229/275			

		E1 B-A / N-A		E2 B-A / N-A / S-A / H-A			E3 N-A / S-A / H-A / V-A					
Continuous current rating Iu	[A]	800	1200	800	1200	1600	800	1200	1600	2000	2500	3200
Mechanical life with regular ordinary maintenance	[No. operations x 1000]	20	20	20	20	20	15	15	15	15	15	15
Operation frequency	[Operations/hour]	30	30	30	30	30	30	30	30	30	30	30
Electrical life	[No. operations x 1000]	10	10	10	10	10	10	10	10	8	8	8
Operation frequency	[Operations/hour]	30	30	30	30	30	30	30	30	30	30	30

① Four poles only