

Selection guide UL Circuit Breakers

Common data

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



		E1		E2			
		B-A	N-A	B-A	N-A	S-A	H-A
Level of performance							
Currents							
Frame size	[A]	800	800	1600	800	800	800
	[A]	1200	1200		1200	1200	1200
	[A]				1600	1600	1600
	[A]						
	[A]						
Capacity of neutral pole for four-pole circuit breakers	[%Iu]	100	100	100	100	100	100
Rated short circuit current							
240 V	[kA]	42	50	42	65	65	85
480 V	[kA]	42	50	42	50	65	85
600 V	[kA]	42	50	42	50	65	65
Rated short time current	[kA]	42	50	42	50	65	65
Trip units							
PR121/P		■	■	■	■	■	■
PR122/P		■	■	■	■	■	■
PR123/P		■	■	■	■	■	■
Trip times							
Make time (max)	[ms]	80	80	80	80	80	80
Break time (<ST current) (max)	[ms]	70	70	70	70	70	70
Break time (>ST current) (max)	[ms]	30	30	30	30	30	12
Overall dimensions							
Fixed: H = 418 mm/16.46 in - D = 302 mm/11.89 in *							
W (3 poles/4 poles)	[mm]	296/386		296/386			
W (3 poles/4 poles)	[in]	11.65/15.2		11.65/15.2			
Draw out: H = 461 mm/18.15 in - D = 396.5 mm/15.61 in **							
W (3 poles/4 poles)	[mm]	324/414		324/414			
W (3 poles/4 poles)	[in]	12.76/16.3		12.76/16.3			
Weights (Circuit breaker complete with trip unit, RH terminals, CS, excluding accessories)							
Fixed							
3 poles/4 poles	[kg]	45/54		50/61			
3 poles/4 poles	[lbs]	99/119		110/134			
Draw out							
3 poles/4 poles	[kg]	70/82		78/93			
3 poles/4 poles	[lbs]	154/181		172/205			

(1) four poles only.

* for E3X-A: H = 438 mm/ 17.24 in - D = 302 mm/ 11.89 in

** for E3X-A: H = 481 mm/ 18.94 in - D = 396.5 mm/ 15.61 in

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

(2) 10 for E3X-A.

(3) 1.5 for E3X-A.