American and European Square-body Fuses

PSC

450 TO 700VAC

450 TO 700VAC / 63 TO 2500A.
EXCEPTIONALLY LOW I²T, WATT LOSSES.
NON-MAGNETIC CONSTRUCTION,
HIGHLY RELIABLE LOW VOLTAGE
INDICATOR SYSTEM, CONFORMITY TO UL,
IEC, DIN AND VDE STANDARDS.
INCREASED TECHNICAL PERFORMANCE
- HIGHER RATINGS
- REDUCTION IN VOLUME AND WEIGHT

RECOGNIZED

PSC 500 TO 700 VAC - US AND EUROPEAN STANDARD

Size	Nominal Voltage U_N (VAC)		Ampere Rating (A)	Pre-arcing I^2t at 1 ms I^2t_p (10^3 A^2s)	Total I^2t at 660V I^2t_f (10^3 A^2s)	Power P_N (W)		Tested breaking capacity	
	IEC	USA				End contacts	Blades	IEC	USA
30	660 700	700	63	0.20	1.10	14	14	200 kA / 660 V 170 kA / 700 V	200 kA / 700 V 170 kA / 750 V
			80	0.33	1.75	19	19		
			100	0.47	2.5	26	26		
			125	0.85	4.5	30	30		
			160	1.60	8.5	37	37		
			200	3	15.5	42	43		
			250	58	30	48	50		
			315	12	62	53	55		
			350	15.50	80	57	60		
			400	23	120	60	65		
			450	26	150	80	88		
			500	41	240	80	88		
			550	52	300	80	90		
31	660 700	700	200	2.60	13.5	45	45	200 kA / 660 V 170 kA / 700 V	200 kA / 660 V 170 kA / 750 V
			250	4.70	25	52	52		
			315	7.50	40	65	65		
			350	10.50	55	67	67		
			400	19	100	68	68		
			450	26.50	140	70	70		
			500	37	195	70	72		
			550	52	280	70	75		
			630	75	390	75	85		
			700	95	490	85	5		
			800	140	800	105	120		
32	660 700	700	400	15	80	72	75	200 kA / 660 V 170 kA / 700 V	200 kA / 700 V 170 kA / 750 V
			450	2	115	77	80		
			500	28	145	85	90		
			550	37	195	90	95		
			630	54	280	95	105		
			700	76	400	100	110		
			800	115	600	110	120		
	660 690+6%	700	900	170	900	110	1 25	200 kA / 660 V	200 kA / 700 V
			1000	240	1250	115	135		
	600	650	1100	270	1670	140	165	160 kA / 600 V	160 kA / 650 V
	550	600	1250	410	2400	150	180	150 kA / 550 V	150 kA / 600 V
	500	550	1400	555	3400	160	190	130 kA / 500 V	130 kA / 550 V
			1600	870	5300	1 65	195		
	450	500	1800	1050		195	230	110 kA / 450 V	110 kA / 500 V
33	660 700	700	500	19	100	105	105	200 kA / 660 V 170 kA / 700 V	200 kA / 660 V 170 kA / 750 V
			550	27	140	105	110		
			630	40	210	110	120		
			700	55	300	115	125		
			800	95	490	120	130		
			900	135	700	1 20	135		
			1000	170	900	1 35	155		
			1100	240	1260	135	160		
	660 690+6%	700	1250	350	1850	150	180	200 kA / 660 V	200 kA / 700 V
			1400	480	2500	160	200		
	600	650	1500	500	3000	190	230	160 kA / 600 V	160 kA /650 V
			1600	555	3300	210	240		
			1800	720	4450	230	260		
	550	600	2000	950	5600	250	290	150 kA / 550 V	150 kA / 600 V
	500	550	2250	1250	7600	280	330	130 kA / 500 V	130 kA / 550 V
	450	500	2500	1870		280	330	110 kA / 450 V	110 kA / 550 V
2 x 32	660 690 + 6%	700	1000	110	590	165		170 kA / 700 V	170 kA / 750 V
			1250	220	1100	190			
			1400	300	1600	200			
			1600	450	2400	220			
	660	700	1800	700	3500	225		200 kA / 660 V	200 kA / 700 V
			2000	950	5000	235			
2 x 33	660	700	1250	160	850	230		200 kA / 660 V	200 kA / 700 V
			1400	225	1200	240			
			1600	375	1900	250			
			1800	530	2800	250			
	600	650	2000	700	3500	280		170 kA / 600 V 200 kA / 600 V	170 kA / 600 V 200 kA / 600 V
			2200	950	5000	280			
			2500	1400	7500	310			
			2800	1900	10000	330			

This fuse preselection table indicates, for each size:

- rated current (or rating) I_N
- pre-arcing I^2t (I^2t_p) at 1 ms
- total operating I^2t (I^2tt) at 660 V, f=50Hz cos φ=0.15, and for a total operating time from 8 to 10 ms
- dissipated power P_N at the rated current I_N, and at 0.8 I_N, in steady state
- breaking capacity at various voltages, checked by tests made in accordance with IEC and American standards.