



Semiconductor Fuses



American and European Square-body Fuses

PSC

450 TO 700VAC

450 TO 700VAC / 63 TO 2500A.

EXCEPTIONALLY LOW I^2t , 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 _p at 1 ms I _p (10 ³ A ² s)	Total I _p at 660V I _p (10 ³ A ² s)	Power P _N (W)		Tested breaking capacity	
	IEC	USA				End contacts	Blades	IEC	USA
30	660	700	63	0.20	1.10	14	14	200 kA / 660 V	200 kA / 700 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		
	700		250	58	30	48	50	170 kA / 700 V	170 kA / 750 V
			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	200	2.60	13.5	45	45	200 kA / 660 V	200 kA / 660 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		
	700		500	37	195	70	72	170 kA / 700 V	170 kA / 750 V
			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	200 kA / 700 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		
	660 690+6% 600 550 500 450	700 650 600 550 500	800	115	600	110	120	200 kA / 660 V	200 kA / 700 V
			900	170	900	110	125		
			1000	240	1250	115	135		
			1100	270	1670	140	165		
			1250	410	2400	150	180		
			1400	555	3400	160	190		
33	660 700	700	1600	870	5300	165	195	160 kA / 600 V	160 kA / 650 V
			1800	1050	7600	195	230		
			2000	1250	10000	230	260		
			2250	1500	13000	280	330		
			2500	1870	17000	330	330		
			2800	2250	22000	330	330		
	660 690+6% 600 550 500 450	700 650 600 550 500	1000	110	590	165	105	170 kA / 700 V	170 kA / 750 V
			1250	220	1100	190	110		
			1400	300	1600	200	120		
			1600	450	2400	220	125		
			1800	700	3500	225	130		
			2000	950	5000	235	135		
2 x 32	660 690 + 6% 660	700	1250	160	850	230	105	200 kA / 660 V	200 kA / 700 V
			1400	225	1200	240	110		
			1600	375	1900	250	125		
			1800	530	2800	250	130		
			2000	700	3500	280	135		
			2200	950	5000	280	140		
2 x 33	660	700	2500	1400	7500	310	330	170 kA / 600 V	170 kA / 600 V
			2800	1900	10000	330	330		
			2000	700	3500	280	135		
			2200	950	5000	280	140		
			2500	1400	7500	310	330		
			2800	1900	10000	330	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^2t_t) at 660 V, $f=50\text{Hz}$ $\cos \varphi=0.15$, 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.