

Protistor® Square-body Fuses PSC aR sizes 3x - 450V to 700 VAC Main characteristics

450 TO 700VAC / 63 TO 2800A

 Recognized

- Exceptionally low I^2t , Watt losses.
- Non-magnetic construction,
- Highly reliable low voltage
- Trip-indicator system, conformity to UL, IEC, DIN and VDE standards.
- Increased technical performance
 - Higher ratings
 - Reduction in volume and weight



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.

Semiconductor (AC) fuses



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Estimated breaking capacity: 300kA

Size	Nominal Voltage (VAC)		Ampere Rating (A)	Pre-arcing I ² t @ 1ms (kA ² s)	Total I ² t @ 660V (*) @ Un (kA ² s)	Power Pn (W)		Tested Breaking capacity (kA)	
	IEC	USA				End contact	Blades	IEC @ 690V (*) @ Un	USA @ 700V (*) @ Un
30	690	700	50	0,116	0,62	9	9	200	200
			63	0,2	1,1	14	14		
			80	0,33	1,8	19	19		
			100	0,47	2,5	26	26		
			125	0,85	4,5	30	30		
			160	1,6	8,5	37	37		
			200	3	15,5	42	43		
			250	5,8	30	48	50		
			315	12	62	53	55		
			350	15,5	80	57	60		
			400	23	120	60	65		
			450	26	150	80	88		
			500	41	240	80	88		
			550	52	300	80	90		
31	690	700	630	84	450(*)	85	95	200	200
			160	1,3	7	35	35		
			200	2,6	13,5	45	45		
			250	4,7	25	52	52		
			315	7,5	40	65	65		
			350	10,5	55	67	67		
			400	19	100	68	68		
			450	26,5	140	70	70		
			500	37	195	70	72		
			550	52	280	70	75		
			630	75	390	75	85		
			700	95	490	85	95		
			800	140	800	105	120		
			315	5,2	28,9	71	71		
350	8,9	48,8	71	74					
400	15	80	72	75					
450	22	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					
900	170	900	110	125					
1000	240	1250	115	135					
1100	270	1450(*)	140	165					
1250	410	1950(*)	150	180					
1400	555	2300(*)	160	200					
1600	870	3600(*)	165	205					
1800	1050	3700(*)	195	230					
32	690	700	450	13,45	74,1	84	88	200	200
			500	19	100	105	105		
			550	27	140	105	110		
			630	40	210	110	120		
			700	55	300	115	125		
			800	95	490	120	130		
			900	135	700	120	135		
			1000	170	900	135	155		
			1100	240	1260	135	160		
			1250	350	1850	150	180		
			1400	480	2500	160	200		
			1500	500	2500(*)	210	240		
			1600	555	2900(*)	210	240		
			1800	720	3870(*)	225	260		
2000	950	4500(*)	250	290					
2250	1250	5160(*)	280	320					
2500	1870	6540(*)	280	330					
33	690	700	800	60	320	144	144	200	200
			1000	110	590	165	165		
			1250	220	1100	190	190		
			1400	300	1600	200	200		
			1600	450	2400	220	220		
			1800	700	3500	225	225		
			2000	950	5000	235	235		
			2200	1100	5250(*)	280	280		
			1000	76	395	220	220		
			1250	160	850	230	230		
			1400	225	1200	240	240		
			1600	375	1900	250	250		
			1800	530	2800	250	250		
			2000	700	3100(*)	280	280		
2200	950	4400(*)	280	280					
2500	1400	6600(*)	310	310					
2800	1900	8800(*)	330	330					
2X32	690	700	800	60	320	144	144	200	200
			1000	110	590	165	165		
			1250	220	1100	190	190		
			1400	300	1600	200	200		
			1600	450	2400	220	220		
			1800	700	3500	225	225		
2x33	690	700	2000	950	5000	235	235	150(*)	150(*)
			2200	1100	5250(*)	280	280		
			1000	76	395	220	220		
			1250	160	850	230	230		
			1400	225	1200	240	240		
			1600	375	1900	250	250		
2x33	600	650	2000	700	3100(*)	280	280	160(*)	160(*)
			2200	950	4400(*)	280	280		
			2500	1400	6600(*)	310	310		
			2800	1900	8800(*)	330	330		

For others Ampere ratings consult us
12/04

Protistor® Square-body Fuses PSC aR sizes 3x - 450V to 700 VAC American Terminals - 30 - 33 Blades



Rated voltage as per American standard.

Size	Designation				Reference Number	Weight (g)	Pack.	Catalog Number		
					K					
30	A 070	URD 30 KI	0050		E301925	290	3	A070UD30KI050		
	A 070	URD 30 KI	0063		B300128			A070UD30KI63		
	A 070	URD 30 KI	0080		C300129			A070UD30KI080		
	A 070	URD 30 KI	0100		D300130			A070UD30KI100		
	A 070	URD 30 KI	0125		E300131			A070UD30KI125		
	A 070	URD 30 KI	0160		F300132			A070UD30KI160		
	A 070	URD 30 KI	0200		G300133			A070UD30KI200		
	A 070	URD 30 KI	0250		H300134			A070UD30KI250		
	A 070	URD 30 KI	0315		J300135			A070UD30KI315		
	A 070	URD 30 KI	0350		K300136			A070UD30KI350		
	A 070	URD 30 KI	0400		L300137			A070UD30KI400		
	A 070	URD 30 KI	0450		T301064			A070UD30KI450		
	A 070	URD 30 KI	0500		V301065			A070UD30KI500		
	A 070	URD 30 KI	0550		W301066			A070UD30KI550		
	A 065	URD 30 KI	0630		-					
	31	A 070	URD 31 KI	0160				F300385	430	3
A 070		URD 31 KI	0200		S300028	A070UD31KI200				
A 070		URD 31 KI	0250		T300029	A070UD31KI250				
A 070		URD 31 KI	0315		V300030	A070UD31KI315				
A 070		URD 31 KI	0350		R300050	A070UD31KI350				
A 070		URD 31 KI	0400		W300031	A070UD31KI400				
A 070		URD 31 KI	0450		X300032	A070UD31KI450				
A 070		URD 31 KI	0500		Y300033	A070UD31KI500				
A 070		URD 31 KI	0550		Z300034	A070UD31KI550				
A 070		URD 31 KI	0630		A300035	A070UD31KI630				
A 070		URD 31 KI	0700		B300036	A070UD31KI700				
A 070		URD 31 KI	0800		A301070	A070UD31KI800				
32	A 070	URD 32 KI	0400		Z300195	590	3	A070UD32KI400		
	A 070	URD 32 KI	0450		A300196			A070UD32KI450		
	A 070	URD 32 KI	0500		B300197			A070UD32KI500		
	A 070	URD 32 KI	0550		C300198			A070UD32KI550		
	A 070	URD 32 KI	0630		D300199			A070UD32KI630		
	A 070	URD 32 KI	0700		E300200			A070UD32KI700		
	A 070	URD 32 KI	0800		F300201			A070UD32KI800		
	A 070	URD 32 KI	0900		G300202			A070UD32KI900		
	A 070	URD 32 KI	1000		H300203			A070UD32KI1000		
	A 065	URD 32 KI	1100		-					
	A 060	URD 32 KI	1250		-			660		
	A 055	URD 32 KI	1400		-					
	A 055	URD 32 KI	1600		-					
	A 050	URD 32 KI	1800		-					
33	A 070	URD 33 KI	0500		W300238	860	3	A070UD33KI500		
	A 070	URD 33 KI	0550		X300239			A070UD33KI550		
	A 070	URD 33 KI	0630		Y300240			A070UD33KI630		
	A 070	URD 33 KI	0700		Z300241			A070UD33KI700		
	A 070	URD 33 KI	0800		A300242			A070UD33KI800		
	A 070	URD 33 KI	0900		B300243			A070UD33KI900		
	A 070	URD 33 KI	1000		C300244			A070UD33KI1000		
	A 070	URD 33 KI	1100		D300245			A070UD33KI1100		
	A 070	URD 33 KI	1250		E300246			A070UD33KI1250		
	A 070	URD 33 KI	1400		F300247			A070UD33KI1400		
	A 065	URD 33 KI	1600		E302063			A065UD33KI1600		
	A 065	URD 33 KI	1800		-					
	A 060	URD 33 KI	2000		-					
	A 055	URD 33 KI	2250		-					
	A 050	URD 33 KI	2500		-					
								1070		