

Products – Polymer Housed Surge Arresters – SVN

SVN Electrical Characteristics

Standard Arrester Catalog Number	Duty Cycle Rating (kV)	MCOV (kV)	Maximum Steep Current Impulse Residual Voltage (kV)	Maximum Switching Impulse Residual Voltage (kV)	Temporary Overvoltage Capability (kV)		Maximum Lightning Impulse Residual Voltage (kV)					
			10kA		1 s	10 s	1.5kA	3kA	5kA	10kA	20kA	40kA
SVN012GA010AA	12	10.2	32.1	24.4	14.9	14.3	26.2	27.3	28.2	29.6	31.6	34.8
SVN015GA013AA	15	12.7	39.9	30.3	18.5	17.8	32.6	33.9	35.1	36.8	39.3	43.3
SVN018GA015AA	18	15.3	48.2	36.5	22.3	21.4	39.3	40.9	42.3	44.4	47.4	52.5
SVN021GA017AA	21	17	53.5	40.6	24.8	23.8	43.7	45.4	47	49.3	53	58
SVN024GA019AA	24	19.5	62	46.9	28.4	27.3	50.5	52.5	54.5	57	61	67
SVN027GA022AA	27	22	69.5	53	32.1	30.8	57	59	61	64	68.5	75.5
SVN030GA024AA	30	24.4	79	60	35.6	34.1	64.5	67	69.5	72.5	77.5	85.5
SVN036GA029AA	36	29	92	69.5	42.3	40.5	75	78	80.5	84.5	90.5	99.5
SVN039GA031AA	39	31.5	101	76.5	45.9	44	82.5	86	89	93	99.5	110
SVN045GA036AA	45	36.5	115	87.5	53	51	94	98	101	106	114	125
SVN048GA039AA	48	39	124	94	57	54.5	101	105	109	114	122	134
SVN054GA042AA	54	42	133	101	61	58.5	108	113	117	122	131	144
SVN060GA048AA	60	48	152	116	70	67	124	129	134	140	150	165
SVN072GA057AA	72	57	180	137	83	79.5	147	153	159	166	178	195
SVN090GA070AA	90	70	221	167	102	98	180	187	194	203	217	239
SVN090GA074AA	90	74	234	177	108	103	191	198	205	215	230	253
SVN096GA076AA	96	76	240	182	111	106	196	204	211	221	236	260
SVN108GA084AA	108	84	265	201	122	117	216	225	233	244	261	287
SVN108GA088AA	108	88	277	210	128	123	226	235	243	255	273	300
SVN120GA098AA	120	98	308	241	143	137	252	262	271	284	304	334
SVN132GA106AA	132	106	334	261	155	148	273	284	294	308	329	362
SVN144GA115AA	144	115	363	283	168	161	296	308	318	334	357	393
SVN168GA131AA	168	131	412	322	191	183	337	350	362	380	406	447
SVN172GA140AA	172	140	441	344	204	196	360	374	387	406	434	477
SVN180GA144AA	180	144	454	355	210	201	370	385	398	418	447	491
SVN192GA152AA	192	152	479	374	222	212	391	406	420	441	471	518
SVN198GA158AA	198	158	497	388	230	221	406	422	437	458	489	538
SVN202GA161AA	202	161	507	396	235	225	414	430	445	467	499	549
SVN218GA175AA	218	175	551	431	255	245	450	468	484	508	543	597
SVN228GA180AA	228	180	566	443	262	252	462	481	497	522	557	613
SVN240GA190AA	240	190	598	467	277	266	488	507	525	551	588	647
SVN258GA209AA	258	209	657	532	305	292	537	558	577	606	647	712
SVN264GA212AA	264	212	667	540	309	296	545	566	586	615	657	723
SVN276GA220AA	276	220	692	560	321	308	565	587	608	638	681	750
SVN288GA230AA	288	230	724	585	335	322	591	614	635	667	712	784
SVN312GA245AA	312	245	770	623	357	343	629	654	676	710	758	834
SVN396GA318AA	396	318	1000	809	464	445	816	849	878	922	984	1083
SVN420GA335AA	420	335	1053	852	488	468	860	894	925	971	1037	1140
SVN444GA353AA	444	353	1109	898	515	493	906	942	974	1023	1092	1202

* Discharge voltages are based on a 500A surge of 45 μ s time to crest through 88 kV MCOV and 1,000A surge of 45 μ s time through 190 kV MCOV and 2,000A through 448 kV MCOV.