

HIGH-VOLTAGE CAPACITOR AND EQUIPMENT

Product Application & Selection Guide

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HV Surge Capacitors & Equipment

Application

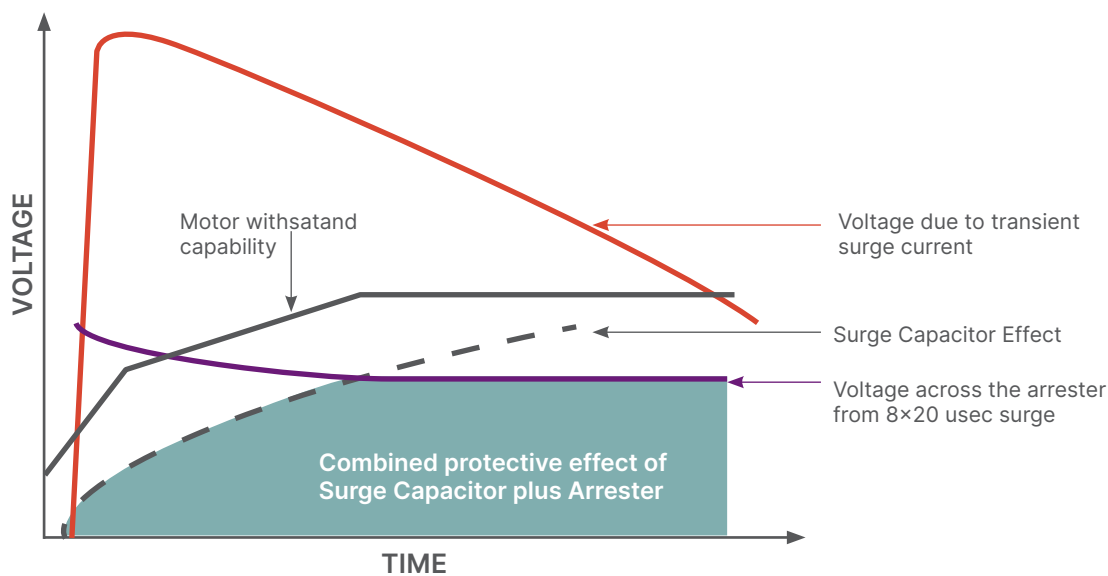
The Surge Protective Capacitors reduce the steepness of wave fronts to protect turn to turn insulation from surges applied to or reflected within machine windings.

Tranquell(R) Motor Surge Protectors utilize Tranquell(R) Surge Arresters applied in parallel with our Dielektrol(R) Surge Capacitors.

When applied together, the arresters protect the major insulation to ground by limiting the amplitude of applied impulse waves or reflections within the machine windings, while the protective capacitor(s) reduce the steepness of the wave fronts.

Studies indicate that this dual protection approach results in significant reduction of lightning stresses imposed on rotating machines and contribute to increased security against failures and downtime costs.

The enclosure is suitable for indoor and outdoor applications.



HV Surge Capacitors & Equipment

Product Description, Features & Benefits

* Surge Protection for AC Generators, synchronous condensers and large motors * Time-proven dielectric system * Dielektrol(R) Non-PCB insulating fluid * Provides Turn-to-Turn insulation protection by reducing steepness of wave fronts applied to or reflected within the machine * Used in combination with station arresters for optimum protection * Protective capacitors contain a film dielectric and hermetically sealed bushings, which permit mounting of the capacitors in an upright position or on their one side * Altitude 0 to 150002

Note 1: Upside down mounting is allowed for 18L0060WH, 18L0061WH and 18L0062WH only. See product table for rating details.
 Note 2: See Altitude De-rating table for de-rating of application voltage

Dielektrol® Non-PCB Protective Capacitors with Internal Discharge Resistors - Indoor or Outdoor Application

Voltage Rating rms Volts L-L *	Maximum Voltage rms Volts L-L	Catalog number	Poles per Unit	Microfarads per Pole	Approximate net weight		Drawing
					lbs	Kg	
0 - 650	715	9L18BBB301	3	1	4	18	A
2400	2640	18L0015WH	3	0.5	36	16.5	4
4160	4576	18L0015WH	3	0.5	36	16.5	4
6900	7590	18L0019WH	1	0.5	29	13	1
7200	7960	18L0065WH	3	0.5	35	16	5
13800	15180	18L0009WH	1	0.25	33	15	2
13800	15180	18L0012WH	3	0.25	66	30	6
24000	26400	18L0010WH	1	0.125	57	26	3
24940	-	18L0070WH	1	0.25	75	34	10
750 *	-	18L0004WH	1	4	12	5.5	9
3900 *	-	18L0005WH	1	4	46	20.9	8
13800	15180	18L0051WH	1	0.05	49	22.3	11
13800	15180	18L0060WH 1	1	0.25	32	14.5	6
6900	7590	18L0061WH 1	1	0.5	30	13.6	1
4160	4576	18L0062WH 1	3	0.5	36	16.4	4

* 18L0004WH and 18L0005WH are rated for DC Applications
 1. Units are rated for inverted mounting
 2. For other mounting arrangements contact factory.
 3. 2400 and 4160 volt rated designs are identical and use the same catalog number
 4. All AC capacitor units are CSA labeled



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