

Technical Specifications CVC Series

Description	NEMA Size 6 600V	600 Amp 1000V	600 Amp 1500V
Cat #	CV 77U030606-*	CV 77U036A06-*	CVC 77U036A15-*
Standard	NEMA 1CS-2 UL508 CSA22.2	IEC 947-4-1 NEMA 1CS-2-9 UL508 CSA22.2	IEC 947-4-1 1000V NEMA 1CS-2-9 UL508 CSA22.2 1500V
Power Ratings			
Insul. & Operating Volt	600 Volts	1000 Volts	1500 Volts
Rated Oper. AC1	540 Amps	600 Amps	600 Amps
Rated Oper. AC3	400 HP 460/575V	750 HP-550KW-660V	1200 HP-900KW-1500V
Rated Oper. AC4	250 HP 460/575V	525 HP-390KW-660V	950 HP-700KW-1500V
Rated Frequency	50 - 400 Hz		
Making Current	6000 Amps		
Breaking Current	4800 Amps		
Dielectric Strength	6Kv - 1 Min. Interruptor Gap		
Interrupting Current	6 KA		
Short Time Current 1 Sec.	9000 A		
Short Time Current 10 Sec.	4800 A		
Mechanical Life	.75 X 10 ⁶		
Elect. Life AC3 Duty	.5 X 10 ⁶		
Switching Frequency	300 / Hour 1 Every 12 Sec.		
Withstand Current	30KA 50MS		
Chop Current Max	0.9 A		
Operating Range	-15% + 10% - over Range Voltage		
Inrush Power VA	1600VA 120 msec Duration		
Holding Power VA	10-12.5VA		
Opening Time MS	160ms		
Closing Time MS	20-40 msec		
Pick-Up Voltage	80% Cold 85% Hot or less		
Drop-Out Voltage	70% or less		
Recommended CPT	400VA Machine Tool Transformer 5% Regulation at 20%pf		
Applications Ratings			
Mounting Installation	All Planes contactor only		
Altitude	6600 ft. 2000 Meters		
Ambient Storage	-65°F (-54°C) +160°F (71°C)		
Operating	-40°F (-40°C) +135°F (57°C)		
Vibration / Shock	40Hz - 2G. / 30G.		
Weight	28 lbs. 12.7 Kg.		

Power Rating

Voltage	Motor HP/KW AC3	
	540A	600A
208	150/112	200/150
220/240	200/150	200/150
400	----	250/187
460	400/300	500/350
575/600	400/300	600/450
660/690	----	650/485
1000	----	1000/750
1500	----	1200/900
Three Phase Transformer Load KVA		
Voltage	540A	600A
208	194	216
220/240	224	249
380/400	396	415
415/440	432	450
460/500	476	519
575/600	520	620
660	617	685
1000	1040	1384
1500	1560	2076
Three Phase Capacitor Load KVAR		
Voltage	540A	600A
208	160	173
220/240	172	200
380/400	296	332
415/440	324	366
460	360	382
575/600	460	500
1000	780	830
1500	1168	1250

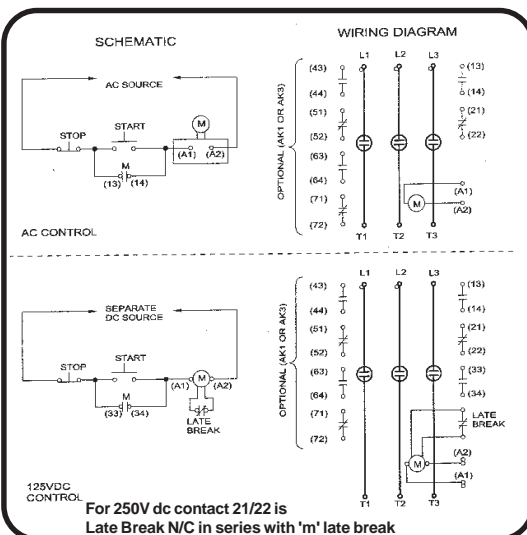
Options

- Lug Kit 2 #2-600mcm Cat.# KVC6-2
 - Auxiliary Contact Kits
 - 2NO.2 NC 600V.10A ac. Cat.# AK1
 - 2NO.2 NC 5V.10mA dc. Cat.# AK3
- Only 1 Kit can be added for total of 3 N/O 3 N/C contacts

Coils

Description	Hz.	Cat. Suffix
110/120V	50/60Hz.	-76
220/240V	50/60Hz.	-26
380/415	50/60Hz.	-38
440/480	50/60Hz.	-46
125 DC		-125
250DC		-250

Diagram



Dimensions

