COMPACT VACUUM CONTACTOR CV Series

Joslyn Clark's Compact CV Series Vacuum Contactors and Starters are ideal for tough industrial applications. The compact design provides flexibility for retrofitting air break contactors, thus enabling an existing application to continue with maintenance cost and down time eliminated.

These compact CV Series Contactors and Starters are suitable for worldwide applications and for use with all types of motors including high efficiency IEC and NEMA design E motors.

The CV Series are easily interchangeable with NEMA Air Break contactors & starters. This series also features a simplified DC magnet system with range rated economized coils for improved reliability.

International Ratings For Global Applications UL508 Listed | CSA22.2 certified | NEMA ICS-2 | IEC 947-4.1

Mechanically Interlocked versions are available for reversing applications.





Features

Joslyn Clark 📕

- Front Accessible
- Long Mechanical & Electrical Life
- Mounts in any plane
- Class 20 Bi-metallic overload relays

- Quiet, Rugged Design Standard with On/OFF Indicator
- Compact, Lightweight
- Side mounted auxiliary contacts



www.joslynclark.com



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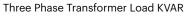
NEMA Size 5 Specifications

Rated Insulating & Operating Voltage 600V 1.000V 1.500V -76 110/120VAC	ltage				
Nover Nating's Enclosed Rated Insulating & Operating Voltage 600V 1,000V 1,500V Rated Insulating & Operating Voltage 600V 1,000V 1,500V Rated Operating Current - AC1 270A 400A 400A Rated Operating Power - AC3 200HP 460KW/575V 500HP 370KW-660V 850HP 650KW-1500V Rated Prequency 50-400Hz -150 250VDC Rated Frequency 50-400Hz Motor HP/KW AC3 Making Current 4,000A 200/208V 75/56 Dielectric Strength / B.I.L. 6,000V (1 Minute per Interrupter) 00/120/75 Interupting Current 4,600A 200/208V 75/56 220/240V 100/75 380/415V 150/112 Short Time Withstand Current (50ms) 18,000A 440V 200/149 Short Time Current (1s) 7,000A 460/480V 200/149	ltage				
Rated Insulating & Operating Voltage 000V 1,000V <th1,00v< th=""> 1,00V 1,00V<</th1,00v<>					
Nated Operating Content - AC1 270A 400A					
Nated Operating Power - AC3 200HP 400KW/3/3V 300HP 260KW-000V 030HP 050KW-1300V -150 250VDC Rated Operating Power - AC4 120HP 460KW/575V 300HP 260KW-660V 315HP 570KW-1500V -150 250VDC Rated Frequency 50-400Hz Motor HP/KW AC3 Motor HP/KW AC3 Making Current 3,200A 200/208V 75/56 Dielectric Strength / B.I.L. 6,000V (1 Minute per Interrupter) 200/208V 75/56 Interupting Current 4,600A 220/240V 100/75 Short Time Withstand Current (50ms) 18,000A 380/415V 150/112 Short Time Current (1s) 7,000A 440V 200/149 Short Time Current (10s) 3,200A 460/480V 200/149					
Rated Operating Tower AC4T2011 400KW/3/3VSooth 200KW 000VStath 3/0KW 1300VMotor HP/KW AC3Rated Frequency50-400HzMotor HP/KW AC3Making Current4,000A200/208V75/56Breaking Current6,000V (1 Minute per Interrupter)200/208V75/56Interupting Current4,600A220/240V100/75Short Time Withstand Current (50ms)18,000A380/415V150/112Short Time Current (1s)7,000A440V200/149Short Time Current (10s)3,200A460/480V200/149					
Making Current 4,000A Breaking Current 3,200A Dielectric Strength / B.I.L. 6,000V (1 Minute per Interrupter) Interupting Current 4,600A Short Time Withstand Current (50ms) 18,000A Short Time Current (1s) 7,000A Short Time Current (10s) 3,200A					
Breaking Current 3,200A Voltage 270A Dielectric Strength / B.I.L. 6,000V (1 Minute per Interrupter) 200/208V 75/56 Interupting Current 4,600A 220/240V 100/75 Short Time Withstand Current (50ms) 18,000A 380/415V 150/112 Short Time Current (1s) 7,000A 440V 200/149 Short Time Current (10s) 3,200A 460/480V 200/149	Motor HP/KW AC3				
Dieaking Current 5,200A Dielectric Strength / B.I.L. 6,000V (1 Minute per Interrupter) Interupting Current 4,600A Short Time Withstand Current (50ms) 18,000A Short Time Current (1s) 7,000A Short Time Current (10s) 3,200A	1001				
Dielectic offengin/ bitt 0,000V (Hindle per interrupter) Interupting Current 4,600A Short Time Withstand Current (50ms) 18,000A Short Time Current (1s) 7,000A Short Time Current (10s) 3,200A	400A				
Short Time Withstand Current (50ms) 18,000A 380/415V 150/112 Short Time Current (1s) 7,000A 440V 200/149 Short Time Current (10s) 3,200A 460/480V 200/149	125/93				
Short Time Withstand Current (solids) 10,000A 440V 200/149 Short Time Current (1s) 7,000A 460/480V 200/149 Short Time Current (10s) 3,200A 460/480V 200/149	150/112				
Short Time Current (10s) 3,200A 460/480V 200/149	250/187				
	250/187				
Mechanical Life (No Load) 1,200,000 cycles 575V 250/187	300/224				
	350/261				
Electrical Life at Rated Current 1,000,000 cycles 600V 200/187	400/298				
(AC3 Duty)	450/336				
Switching Frequency 600 cycles per hour 1,000V -	650485				
Chopping Current 0.9A 1,500V -	1,000/746				
Operating Range at Rated Voltage -15% +10% Three Phase Transformer Load K					
Closing Power / Duration 1200VA 20ms					
Holding Power 10-12VA Voltage 270A	400A				
Average Opening Time 120ms 200/208V 89/92	132/137				
Average Closing Time 20-40ms 220/240V 98/107	145/158				
Average Pick-Up at Rated Voltage≤85%380/415V169/184	250/273				
Average Drop-Out at Rated Voltage≤70%440V195	290				
Recommended Control Transformer 500VA Machine Tool Transformer; 5% Regulation at 20%pf 460/480V 204/213	303/316				
575V 255	378				
Application Ratings 600V 267	395				
Mounting Installation All Planes (Contactor only) 660/690V -	434/454				
Altitude Up to 6,600 feet (2,000 m) 1,000V -	658				
Operating Temperature Range -40°F (-40°C) +122°F (50°C) 1,500V -	987				

40Hz - 2G. / 30G.

30 lbs. (13.61 kg)

1 N.C. & 1 N.O. (standard); 3 N.C. & 3 N.O. (optional)



	Voltage	270A	400A
	200/208V	66/68	98/102
	220/240V	72/80	108/118
	380/415V	126/138	186/204
	440V	146	216
	460/480V	152/160	226/236
1	575V	190	282
	600V	200	296
	660/690V	-	324/340
	1,000V	-	492
	1,500V	-	740

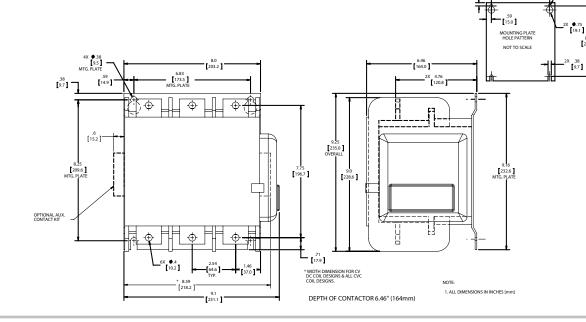
NOTES:

** Coil Voltage

X (\$.38 [9.5]

6.83 [173.5]

¹Consult factory for certifications and approvals.



Vibration / Shock

Auxiliary Contacts

Weight