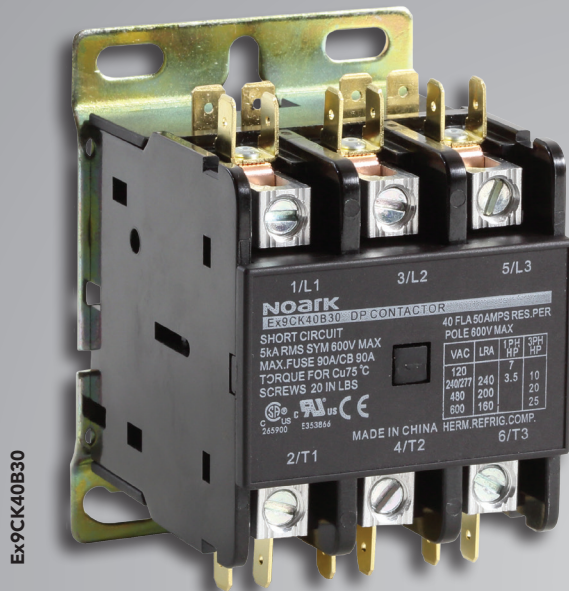


Information Sheet Definite Purpose Contactors Ex9CK Series



NOARK Electric's Definite Purpose Contactors A perfect blend of quality, performance and exceptional value

Broad Product Range

- Amperage ratings: 20~90 A
- Coil voltages: 24~600 Vac, 50/60 Hz
- Pole configurations: 1, 2, and 3

Global Acceptance

- Certified as UL recognized component and according to CSA standards, IEC 60947 and VDE standards

Benefits

- Industry standard mounting plate provides easily accessible mounting holes
- Available with enclosed coils for protection against particle contamination
- More connection terminal options, including screw or lug connections each with quick connect spades

		20			25			30			32			40			50	60	75	90				
Poles		1 Pole+ Shunt	2 Poles	3 Poles	1 Pole+ Shunt	2 Poles	3 Poles	1 Pole+ Shunt	2 Poles	3 Poles	1 Pole+ Shunt	2 Poles	3 Poles	1 Pole+ Shunt	2 Poles	3 Poles	3 Poles							
Power Consumption*	In-Rush (Vac) @ 50 Hz	55			51			55			51			55			51			84	165			
	Sealed (Vac) @ 50 Hz	13			12			13			12			13			12			14	30			
	In-Rush (Vac) @ 60 Hz	25	40	47	25	40	47	25	40	47	25	40	47	25	40	47	83			250				
	Sealed (Vac) @ 60 Hz	6.7	8.8	9.3	6.7	8.8	9.3	6.7	8.8	9.3	6.7	8.8	9.3	6.7	8.8	9.3	9.3			27				
Operation Range	Pick-Up Voltage	85~110% Us																						
	Drop-Out Voltage	20~65% Us																						
Power Supply Voltage Us		50/60 Hz; 24~600 Vac																						
Terminal Connection																								
Line and Load Terminals		#10-32 Screw Box Lug																						
Copper Cable AWG (mm ²)	Ridge Wire w/ Single Core	Screw	14~10 (2.5~6)						12~8 (4~10)			16-8 (1.5~10)		2~8 (4~10)		16-8 (1.5~10)		2~8 (4~10)		16-8 (1.5~10)		-		
		Lug	14~8 (2.5~10)											14~8 (2.5~10)						10-6 (6~16)	14-6 (2.5~16)	6-3 (16~35)	4-3 (25~35)	
	Flexible Stranded Wire	Screw	14~12 (2.5~6)																					
		Lug	14~8 (2.5~10)											14~8 (2.5~10)						10~8 (4~10)		8-4 (10~25)	8-4 (16~25)	
Tightening Torque in-lb (N.m)	Coil	-																						
	Main Circuit	Screw	20 (1.8~2)											20 (1.8~2)						10 (0.8~1.2)				
		Lug							40 (4~6)											50 (4~7)				
Quick Connects	Power Terminals	Dual 0.250 QC (2) [Ex9CK 50~90 Power Terminals Only]																						
	Coil Terminals	Dual 0.250 QC (2) • 6~32 Screw and 0.250 QC (2) [Ex9CK 60 Coil Terminals Only]																						
	0.250 Standard	Quad	Dual or Quad**	Dual	Quad	Dual or Quad**	Dual	Quad	Dual or Quad**	Dual	Quad	Dual or Quad**	Dual	Quad	Dual or Quad**	Dual	Quad	Dual or Quad**	Dual	-				
Covers	Optional		Standard		Optional		Standard		Optional		Standard		Optional		Standard		Optional		Standard					
Insulation System		Class B 266°F (130 °C)																						

* Power consumption is the same for 24, 120, 240, 277 and 480 Vac.
 ** Dual is Standard.

Product Selection Guide

Ex9CK	40	A	10	G	7	E	Accessories
NOARK Ex9CK Series	Full Load Amperage (FLA)	Terminal	Pole	Coil Voltage	Frequency	Coil	Auxiliary Contact
	20: 20 A 25: 25 A 30: 30 A 32: 32 A 40: 40 A 50: 50 A 60: 60 A 75: 75 A 90: 90 A	A: Screw B: Lug C: Screw-Allen Head (only 20-40A)	10: 1NO+1Shunt 20: 2NO 30: 3NO	B: 24 V N: 277 V C: 36 V Q ¹ : 380 V D: 42 V V: 400 V E: 48 V N: 415 V F: 110 V R: 440 V G: 120 V T: 480 V M: 220 V S: 500 V P: 230 V Y: 600 V XU ² :208/240 V available on 1&2P only	7: 50/60 Hz	Blank: Open Coil Q ³ : Quad Quick Connection Terminal (available on 2p only)	• Auxiliary Contact

1. Available on 2P only
2. Available on 1P & 2P only
3. For Quad terminals, please contact NOARK sales