

Information Sheet IEC Contactors Ex9CD Series



Ex9CD518



Ex9CDMS06



NOARK Electric's Miniature and Standard IEC Contactors A perfect blend of quality, performance and exceptional value

Broad Product Range

- Miniature contactor rated current: 6~12 A
- Full Voltage Non-Reversing (FVNR) standard contactor rated current: 9~630 A
- Full Voltage Reversing (FVR) standard contactor rated current: 9~95 A

Global Acceptance

- UL 508 listed, certified for CSA standards and IEC 60947

Benefits

- 5 kA @ 600 Vac
- Coil voltages from 24~600 Vac, 50/60 Hz
- Coil replacement on standard contactor from 9~630 A
- Compatible with Ex9RD thermal overload relays
- IP20 finger and back-of hand safe
- 3 and 4 pole versions including 2NO+2NC and 4NO configurations



		Ex9CMS/CMR (Miniature) 06-12	Ex9CDS - FVNR / Ex9CDR - FVR (Standard)																		
			09	12	18	25	32	40	50	65	80	95	115	150	185	225	265	330	400	500	630
Poles			3 & 4			3	3 & 4			3			3 & 4								
Rated Insulation Voltage (Vac)			690						1,000												
Operating Frequency (Operations/h)	Electrical	AC-3	1,200			600			1,200			600									
	Mechanical	AC-4	300												1,200						
Electrical Life (x10 ⁵ Operations)	AC-3		1,000			800			600			1,200									
	AC-4		200			150			100			800									
Mechanical Life (x10 ⁶ Operations)			10			8			6			10									
Matched Overload Relay Type		Ex9RD11.5	Ex9RD25			Ex9RD36			Ex9RD93			EX9RD200			EX9RD630						
Rated Conventional Heating Current (A) AC-1			20	32	40	50	60	80	95	200	275	315	380	450	630	800					
AC-3	I _e (A)	220-230 V	9	12	18	25	32	40	50	65	80	95	115	150	185	225	265	330	400	500	630
		380/400 V	6.6 8.9 12			18	21	34	39	42	49	86	108	118	137	170	235	303	353	462	
		660/690 V	2.2	3	4	5.5	7.5	11	15	18.5	22	25	33	45	55	63	80	100	110	150	200
	P _e (kW)	220-230 V	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200	250	335
		380/400 V	5.5	7.5	10	15	18.5	30	37	45	80		100	110	129	160	220	280	335	450	
Power of Controlled 3-Phase Cage Motor AC-3 (hp)	200 V	3	5	7.5	7.5	10	15	20	25	30	30	40	50	60	75	100	125	150	200	250	350
	240 V	10			15	20	25	30	60	75		100	125	150	200	250	350				
	460 V	15			20	25	30	40	75	100		100	125	150	200	250	350				
	600 V	20			25	30	40	50	75	100		100	125	150	200	250	350				

		09	12	18	25	32	38	40	50	65	80	100								
Poles		3																		
Rated Insulation Voltage (Vac)		690																		
Operating Frequency (Operations/h)	Electrical	1,200																		
	AC-4	300						120												
Electrical Life (x10 ⁵ Operations)	AC-3	1,200																		
	AC-4	Check Electrical Life Curve																		
Ambient Temperature		-13 to 131°F (-25 to 55°C)																		
Mechanical Life (x10 ⁶ Operations)		10,000																		
Rated Conventional Heating Current (A) AC-1		25	32	40	50	60	80	125												
AC-3	I _e (A)	220/230 V	9	12	18	25	32	38	40	50	65	80	100							
		380/400 V	6.7 9			10.6	17.3	1.9	21.9	38	39	42	49							
		415V	2.2	3	4	5.5	7.5	9	11	15	18.5	22	25							
	P _e (kW)	380/400 V	4	5.5	7.5	11	15	18.5	22	30	37	45	45	55	63	80	100	110	150	200
		415V	5.5	7.5	10	15	18.5	30	37	45	80		100	110	129	160	220	280	335	
Power of Controlled Three-Phase Cage Motor AC-3 (hp)	110/120V	0.5	0.75	1	1.5	2	2	3	5	5	7.5	10								
	230/240V	1	2	3	3	5	5	5	7.5	10	20	20								
	200/208V	3	3	5	7.5	10	10	10	15	20	30	30								
	230/240V	3	3	5	0.5	10	10	10	15	20	30	30								
	460/480V	5	7.5	10	15	20	20	30	40	50	60	60								
575/600V	7.5	10	15	20	25	25	30	40	50	60	60									

Product Selection Guide

Ex9C	D	S	09	A	30	G	7	A	
NOARK Ex9C Series	Contactor Type	Function	Rated Current AC-3	Terminal	Pole	AC Coil Voltage	Frequency	Auxiliary Contacts (Built In)	Accessories
	D: Ex9CD Standard (9-630 A) M: Ex9CM Miniature (9-12 A)	S: Full Voltage Non-Reversing (FVNR) R: Full Voltage Reversing (FVR) Z: Non-Reversing DC Coil Contactor	06: 6 A 09: 9 A ¹ 12: 12 A ¹ 18: 18 A ¹ 25: 25 A ¹ 32: 32 A ¹ 38: 38A ² 40: 40 A ¹ 50: 50 A ¹ 65: 65 A ¹ 80: 80 A ¹ 95: 95 A 100: 100A ² 115: 115 A 150: 150 A 185: 185 A 225: 225 A 265: 265 A 330: 330 A 400: 400 A 500: 500 A 630: 630 A	A: Screw Terminals	30: 3NO 40: 4NO 22: 2NO+ 2NC	B: 24 V ¹ E: 48 V ¹ F: 110 V ¹ G: 120 V M: 220 V ¹ P: 230 V U: 240 V N: 277 V Q: 380 V R: 440 V T: 480 V Y: 600 V	7: 50/60 Hz	A: 1NO Mini Type (6-12 A) B: 1NC (9-32 A) A: 1NO Standard Type B: 1NC (9-32 A) C: 1NO+ Standard Type 1NC (40-95 A) Blank Standard Type None (115-630 A)	• Alarm Switch • Coil • Mechanical Interlock • Time Delay Relay

Notes:
1. DC Coil Contactor available
2. DC Coil Contactor Only

115-265A: 110-440Vac Coil available
330-630A: 110-380Vac Coil available
DC Coil available in 2018