

NOARK

Information Sheet IEC Contactors Ex9C Series



Ex9C65



Ex9C18



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
- Standard contactor rated current: 9~500 A

Global Acceptance

- UL 508 listed, certified for CSA standards, IEC 60947-4-1 and CCC certified

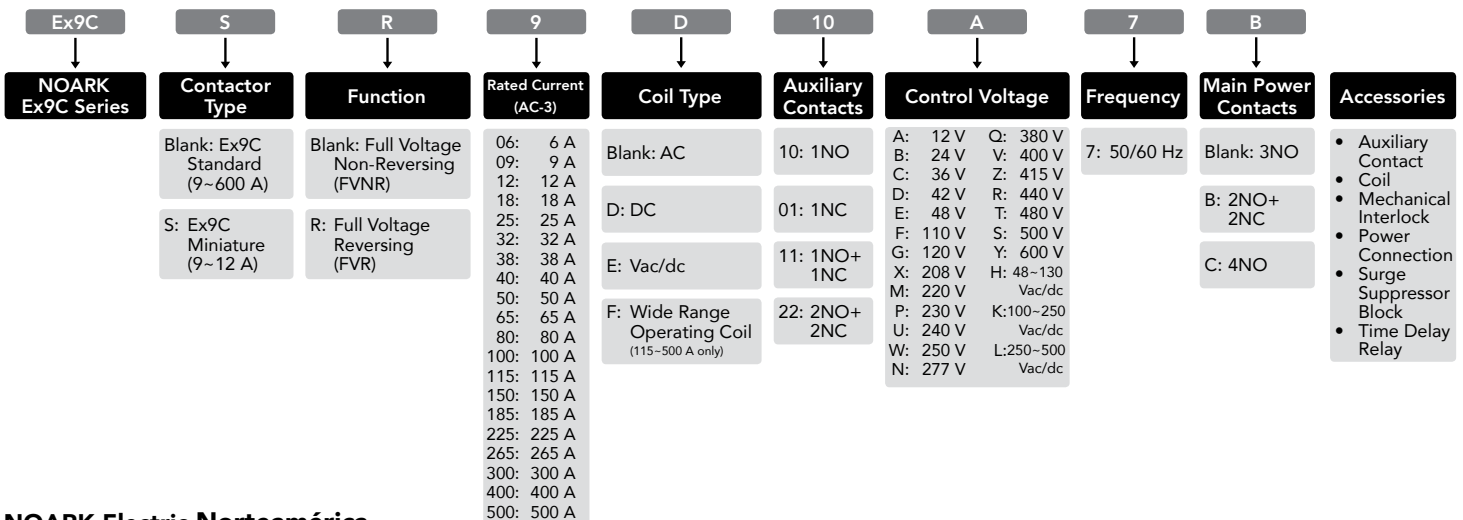
Benefits

- Four coil types: AC, DC, Vac/dc and wide range operating (available for 115~500 A)
- Mount onto DIN rail 35 mm or 75 or onto panel (frame sizes 09~38 mount on 35 mm; 40~100 mount on 35 mm or 75 mm; 115~500 cannot mount on DIN rail, only mount by screw)



		Ex9CS/CSR			Ex9C/CR																		
		6	9	12	9	12	18	25	32	38	40	50	65	80	100	115	150	185	225	265	300	400	500
General Information																							
Poles		3, 4			3																		
Production Standard		IEC 60947-1, IEC 60947-4-1, UL 60947-1, UL 60947-4-1																					
Environmental Testing According to		IEC 60068-2-1, IEC 600682-2, IEC 60068-2-11, IEC 60068-2-30																					
Rated Frequency (Hz)		50/60																					
Conventional		0≤104 °F (0≤40 °C)																					
Free Air Thermal		0≤140 °F (0≤60 °C)																					
Current Ith (A)		0≤158 °F (0≤70 °C)																					
Rated Insulating Voltage Ui (V)		690										1,000											
Rated Impulse Withstand Voltage Uimp (kV)		6										8											
Electrical Life (x10 ⁴ cycles)		AC-3 380 V / AC-4 400 V																					
Mechanical Life (x10 ⁴ cycles)		5 4 5 4 5 4 3.5 3 4										120 100 20											
Operating Cycles Per Hour (cycles/h)		1,200 300										1,000 120 750 500 420											
Interrupting Rating (kA)		5 10 18																					
Environmental Temperature		Transportation or Storage Working At Maximum																					
Altitude ft (m)		-76 to 176 °F (-60 to +80 °C) -4 to 140 °F (-20 to +60 °C) -40 to 158 °F (-40 to +70 °C)																					
Pollution Degree		6,562 (2,000) Class III																					
Rated Operational Current Ie (A)																							
At -82 to 131 °F (-25 to 40 °C)		AC-1 690 V 20 25 32 40 50 60 80 125 160 185 215 275 330 400 500 650																					
		AC-3 380/400 V 6 9 12 9 12 18 25 32 38 40 50 65 80 100 115 150 185 225 265 300 400 500																					
		AC-3 660/690 V 3.8 4.9 6.7 9 10.6 17.3 21.9 34 39 42 49 115 150 170 225 265 280 400 450																					
		AC-4 380/400 V 6 9 12 9 12 18 25 32 38 40 50 65 80 100 54 68 81 96 117 125 150 175																					
		AC-4 660/690 V 3.8 4.9 6.7 14 17.3 34 39 42 49 48 57 65 85 105 115 135 150																					
Rated Power of 3-Phase Motor																							
For IEC (kW)		AC-3 230 Vac - 37 45 55 75 90 132 160																					
		AC-4 230 Vac - 18.5 22 30 37 40 45 55																					
		AC-3 380/400 Vac 2.2 4 5.5 4 5.5 7.5 11 15 18.5 22 30 37 45 55 75 90 110 132 160 220 250																					
		AC-4 380/400 Vac 2.2 4 5.5 4 5.5 7.5 11 15 18.5 22 30 37 45 30 37 45 55 63 75 90 100																					
		AC-3 660/690 Vac 3 4 5.5 7.5 9 15 18.5 30 33 37 45 110 132 160 200 250 355 400																					
		AC-4 660/690 Vac 3 4 5.5 7.5 9 15 18.5 30 33 37 45 50 55 63 80 100 110 132 150																					
		AC-3 1,000 Vac - 75 90 90 132 250 315																					
		AC-4 1,000 Vac - 50 55 63 80 110																					
UL Rating																							
Ith (A)		20 32 40 50 60 80 125 160 185 215 275 330 400 430 610																					
Single-Phase		110-120 Vac 0.5 0.75 0.5 1 1.5 2 3 5 7.5 10 15 20 25 30 40 - -																					
		220-240 Vac 1 1.5 2 1.5 2 3 5 7.5 10 15 20 25 30 40 - -																					
Three-Phase		200-208 Vac 1.5 3 5 7.5 10 15 20 30 40 50 60 75 100 125 150																					
		220-240 Vac 2 3 5 7.5 10 15 20 30 40 50 60 75 100 125 150 200																					
		440-480 Vac 3 5 7.5 10 15 20 25 30 40 50 60 100 125 150 200 250 300 400																					
		550-600 Vac 5 7.5 10 15 20 25 30 40 50 60 125 150 200 250 300 400 500																					
Coil Voltage (V)		24-600 Vac/dc 24-600 Vac 24-600 Vac/dc 36-600 Vac/dc																					

Product Selection Guide



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