



Type ECX Technical Data

ECX Contactors	18	25	32	65	95	150	225	265	400	500	630														
Poles	3	4	3	3 & 4			3																		
Rated Insulation Voltage (Vac)	690						1000																		
Operating Frequency (Operations/h)	Electrical	AC-3		1200			600		1200			600													
		AC-4		300																					
	Mechanical	3600						1200																	
		Electrical Life (x10 ³ Operations)		AC-3		1000			800		600			1200		1000		800							
AC-4		200			150		100		-----																
Ambient Temperature												23 to 104°F (-5 to 40°C)													
Mechanical Life (x10 ⁶ Operations)												10			8			6		10		6			
Matched Overload Relay Type												ECX-.4-.63A thru ECX-28-32A				ECX23A thru ECX95A				ECX-80-125A thru ECX-400-630A					
Rated Heating Current (A) AC-1												32	40	50	80	95	200	275	315	450	630	800			
AC-3	I _e (A)	220/230 V	18	25	32	65	95	150	225	265	400	500	630												
		380/400 V	12	18	21	42	49	108	137	170	303	353	462												
		660/690 V	4	5.5	7.5	18.5	25	45	63	80	110	150	200												
Pe (kW)		220/230 V	7.5	11	15	30	45	75	110	132	200	250	335												
		380/400 V	10	15	18.5	37		100	129	160	280	335	450												
		660/690 V	7.5	10	15	20	30	50	75	100	150	200	250												
Power of Controlled Three-Phase Cage Motor AC-3 (hp)	200 V	240 V	7.5	10	15	20	25																		
		460 V	10	15	20	40	50																		
		600 V						50	75	100	150	200	250												
	240 V						75	125	150	200	250	350													
	415 V						100			250	350	400													
	480 V								300	350	500														
600 V										300	500														
Terminal Connection		Number of Wires																							
Flexible Cable AWG (mm ²)	1	16~10 (1.5~6)	16~10 (1.5~8)	14~8 (2.5~10)	10~4 (6~25)	8~2 (10~35)																			
	2	16~12 (1.5~4)	16~10 (1.5~6)	14~10 (2.5~6)	12~8 (4~10)	10~6 (6~16)																			
Solid Cable AWG (mm ²)	1	16~10 (1.5~6)	14~8 (2.5~10)	10~4 (6~25)	8~2 (10~35)																				
	2			12~8 (4~10)	10~6 (6~16)																				
Screw Size		M3.5	M4	M8	M10	M8	M10				M12														
Tightening Torque in-lb (N.m)		7 (0.80)	10 (1.20)	45 (3.50)	89 (10)	54 (6.0)	89 (10)				124 (14)														
Coil Specs.																									
Coil Power	In-Rush (VA)	70	110	200	660	966	840	1500		1700															
	Sealed (VA)	8	11	20	85.5	91.2	150	34.2																	
	Power (W)	3~4			6~10		-----																		
Recommended Transformer		50 VA			100 VA		150 VA			250 VA															
Operation Range	Operation Voltage (Us)	85~110%																							
	Drop-Out Voltage (Us)	20~75%																							
Auxiliary Contact																									
Rated Thermal Current I _{th} (A)						10																			
Terminal Capacity AWG (mm ²)						17-9 (1-6)																			
Torque of Terminals in-lb (N.m)						8.85 (1)																			