



Contactor Ratings Chart

		     																												
		Current ratings														Current ratings														
40°C	AC 1 - 690V	Amps	20	20 [20]	25	28	30	45	50	50	70	100	105	125	130	160	225	275	350	400	500	600	600	700	800	1050	1350	1650		
60°C	AC 1 - 690V		16	16 [16]	25	28	30	40	42	42	60	80	90	100	105	145	200	250	300	350	400	500	500	600	700	875	1150	1450		
60°C	AC 2, AC 3 - 400V/415V		4.9	8.5 [11.5]	9	12	18	26	32	38	40	53	65	80	96	116	146	190	205	265	305	370	400	460	580	750	860	1060		
60°C	AC 4 - 400V/415V ⁽¹⁾		4.9	8.5 [11.5]	-	-	-	-	-	-	-	-	-	-	-	84	103	128	156	195	230	280	307	377	-	-	-	-		
60°C	AC 2, AC 3 - 690V		2.8	4.9 [6.7]	7	9	10.5	17	21	24	25	35	39	49	57	66	93	135	165	250	290	315	350	400	500	650	800	970		
60°C	AC 2, AC 3 - 1000V		-	-	-	-	-	-	-	-	-	-	-	25	30	46	60	85	100	113	131	141	155	200	250	300	375	400		
		Motor starter ratings at operational voltage 400/415 V. All kW ratings approximate														Motor starter ratings at operational voltage 400/415 V. All kW ratings approximate														
60°C	AC 2, AC 3 - 415V	kW	2.2	4 [5.5]	4	5.5	9	11	15	18.5	22	30	37	45	55	55	75	90	110	132	160	200	220	250	355	425	500	630		
60°C	AC 4 - 415V ⁽¹⁾		-	-	-	-	-	-	-	-	-	-	-	-	-	45	55	63	90	110	132	160	160	220	-	-	-	-		
60°C	AC 2, AC 3 - 690V		2.2	4 [5.5]	5.5	7.5	9	15	18.5	22	22	30	37	45	55	63	90	132	160	200	250	315	315	355	500	600	800	1000		
60°C	AC 2, AC 3 - 1000V		-	-	-	-	-	-	-	-	-	-	-	35	40	55	75	110	132	160	185	200	220	280	355	400	555	600		
Star-delta	50Hz at 415V		4	7.5 [7.5]	7.5	7.5	15	22	30	37	37	45	55	75	90	110	132	160	200	250	315	355	400	400	560	800	900	1100		
		Mechanical, electrical and coil data														Mechanical, electrical and coil data														
Mechanical life		Millions/Ops	15	15	10	10	10	10	10	10	4	4	4	4	4	5	5	5	5	5	5	5	3	3	3	3	0.5	0.5		
Electrical life at AC 3, 415 V			0.7	0.7	1.5	1.7	1.6	1.2	1.2	0.6	1.5	1.4	1.4	1	1	0.8	0.75	0.75	0.75	0.75	0.75	0.6	0.6	0.5	0.5	0.5	0.05	0.05		
Max switching frequency, AC-1		Ops/Hr	-	-	600	600	600	600	600	600	600	600	600	-	-	300	300	300	300	300	300	300	300	300	300	300	60	60		
Standard coil operating times	Closing delay		15-40	15-40	40-95	40-95	40-95	40-95	40-95	40-95	42-100	42-100	42-100	42-100	42-100	20-55	20-55	25-60	25-60	30-60	30-60	30-60	50-120	50-120	50-120	50-120	50-80	50-80		
	Opening delay	ms	15-33	15-33	11-95	11-95	11-95	11-95	11-95	11-95	17-100	17-100	17-100	17-100	17-100	40-70	40-70	45-80	45-80	45-80	45-80	45-80	33-70	33-70	33-70	33-70	35-55	35-55		
Standard coil operating times with PLC	Closing delay	ms	-	-	-	-	-	-	-	-	-	-	-	-	-	20-31	20-31	25-45	25-45	25-45	25-45	25-45	40-60	40-60	40-90	40-90	40-65	40-65		
	Opening delay		-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-34	24-34	25-45	25-45	25-45	25-45	10-30	10-30	10-30	10-30	10-30	10-30		
AC Standard coil consumption	Pick-up	VA	35 ⁽²⁾	35 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	25 ⁽²⁾	25 ⁽²⁾	25 ⁽²⁾	40 ⁽²⁾	40 ⁽²⁾	130 ⁽³⁾	130 ⁽³⁾	220 ⁽³⁾	220 ⁽³⁾	385 ⁽³⁾	385 ⁽³⁾	385 ⁽³⁾	955 ⁽³⁾	955 ⁽³⁾	880 ⁽³⁾	880 ⁽³⁾	2450 ⁽³⁾	2450 ⁽³⁾		
(Coil Range 100-250V AC)	Hold-in		5 ⁽²⁾	5 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	2.2 ⁽²⁾	4 ⁽²⁾	4 ⁽²⁾	4 ⁽²⁾	4 ⁽²⁾	4 ⁽²⁾	6 ⁽³⁾	6 ⁽³⁾	7 ⁽³⁾	7 ⁽³⁾	17.5 ⁽³⁾	17.5 ⁽³⁾	17.5 ⁽³⁾	12 ⁽³⁾	12 ⁽³⁾	12 ⁽³⁾	12 ⁽³⁾	48 ⁽³⁾	48 ⁽³⁾	
DC Standard coil consumption	Pick-up	W	3 ⁽²⁾	3 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	50 ⁽²⁾	25 ⁽²⁾	25 ⁽²⁾	25 ⁽²⁾	40 ⁽²⁾	40 ⁽²⁾	135 ⁽³⁾	135 ⁽³⁾	190 ⁽³⁾	190 ⁽³⁾	410 ⁽³⁾	410 ⁽³⁾	410 ⁽³⁾	895 ⁽³⁾	895 ⁽³⁾	880 ⁽³⁾	880 ⁽³⁾	2290 ⁽³⁾	2290 ⁽³⁾		
(Coil Range 100-250V DC)	Hold-in		2.6 ⁽²⁾	2.6 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	2 ⁽²⁾	3 ⁽³⁾	3 ⁽³⁾	2.5 ⁽³⁾	2.5 ⁽³⁾	4.5 ⁽³⁾	4.5 ⁽³⁾	4.5 ⁽³⁾	5 ⁽³⁾	5 ⁽³⁾	5 ⁽³⁾	20.5 ⁽³⁾	20.5 ⁽³⁾			
Energy efficient coil operating times	Closing delay	ms	-	-	40-95	40-95	40-95	40-95	40-95	40-95	40-95	40-95	40-95	40-95	40-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Opening delay		-	-	11-95	11-95	11-95	11-95	11-95	11-95	11-95	11-95	11-95	11-95	11-95	11-95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AC Energy efficient coil consumption	Pick-up	VA	-	-	16	16	16	16	16	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Coil Range 24-60V AC)	Hold-in		-	-	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC Energy efficient Coil consumption	Pick-up	W	-	-	12-16	12-16	12-16	12-16	12-16	12-16	12-16	12-16	12-16	12-16	12-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Coil Range 24-60V DC)	Hold-in		-	-	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
High energy efficient Coil operating times	Closing delay	ms	-	-	27-53	27-53	27-53	27-53	27-53	27-53	27-53	27-53	27-53	27-53	27-53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Opening delay		-	-	17-29	17-29	17-29	17-29	17-29	17-29	17-29	17-29	17-29	17-29	17-29	17-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC High energy efficient Coil consumption	Pick-up	W	-	-	6	6	6	6	6	6	6	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Coil Range 24-60V DC)	Hold-in		-	-	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Internal auxiliary contacts available		Max	1	1	1	1	1	0	0	0	0	0	0	0	0	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	3 ⁽⁴⁾	2	2		
Add-on auxiliary contacts available			4	4	6	6	6	6	6	6	6	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	6	6	6	
Auxiliary contact (Internal)	AC 12 40°C	Amps	10	10	16	16	16	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
Auxiliary contact (Mounted) ⁽³⁾	AC 12 40°C		10	10	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	16	16	16	
Auxiliary contact (Internal)	AC 15, 415 V		1.2	1.2	3	3	3	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Auxiliary contact (Mounted) ⁽³⁾	AC 15, 415 V		1.8	1.8	3	3	3	3	3	3	3	3	3	3	3	3	0													

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