

Electrical Data

			CA7-9	CA7-12	CA7-16	CA7-23	CA7-30	CA7-37	CA7-43	CA7-55	CA7-60	CA7-72	CA7-85	CA7-97	
AC-1 Load, 3Ø Switching Ambient Temperature 40° C	I_{th}	[A]	32	32	32	32	65	65	85	85	100	100	100	130	
	230V	[kW]	13	13	13	13	26	26	34	34	40	40	40	52	
	240V	[kW]	13	13	13	13	27	27	35	35	42	42	42	54	
	400V	[kW]	22	22	22	22	45	45	59	59	69	69	69	90	
	415V	[kW]	23	23	23	23	47	47	61	61	72	72	72	93	
	500V	[kW]	28	28	28	28	56	56	74	74	87	87	87	113	
	690V	[kW]	38	38	38	38	78	78	102	102	120	120	120	155	
Ambient Temperature 60° C	I_{th}	[A]	32	32	32	32	65	65	75	75	100	100	100	110	
	230V	[kW]	13	13	13	13	26	26	25	25	40	40	40	44	
	240V	[kW]	13	13	13	13	27	27	26	26	42	42	42	46	
	400V	[kW]	22	22	22	22	45	45	44	44	69	69	69	76	
	415V	[kW]	23	23	23	23	47	47	45	45	72	72	72	76	
	500V	[kW]	28	28	28	28	56	56	55	55	87	87	87	95	
	690V	[kW]	38	38	38	38	78	78	75	75	120	120	120	131	
Maximum Operating Rate		[ops/hour]	1,000	1,000	1,000	1,000	1,000	1,000	300	300	600	600	600	600	
Continuous Current (UL/CSA) General Purpose Rating (40°)	Open	[A]	25	25	30	30	55	60	75	75	90	90	100	120	
	Enclosed	[A]	25	25	30	30	55	60	75	75	90	90	100	120	
	Maximum Operating Rate		[ops/hour]	1,400	1,400	1,200	1,200	1,200	1,000	1000	1000	700	700	600	600
Lighting Loads ①	Elec. Dischrg. Lamps-AC-5a, single compensated	Open	[A]	22.5	25	28	29	40.5	45	77	77	81	85	90	115
		Enclosed	[A]	22.5	25	28	29	37	41	57	57	77	81	90	100
	Max. capacitance at prospective short circuit current available at the contactor	10kA	[mf]	1,000	1,000	1,000	1,000	2,700	2,700	3,200	3,200	4,000	4,000	4,700	4,700
		20kA	[µf]	500	500	500	500	1,350	1,350	1,600	1,600	2,000	2,000	2,350	2,350
		50kA	[µf]	200	200	200	200	540	540	640	640	800	800	940	940
	Incandescent Lamps - AC -5b														
Electrical endurance ~ 100,000 operations		[A]	12	16	18	22	30	37	43	51	60	70	76	90	
Switching power transformers AC-6a 50Hz															
Inrush	= n														
Rated transformer current															
n=30		[A]	10.9	10.9	10.9	10.9	20	20	23	23	40.8	40.8	40.8	48.5	
	230 VAC	[kVA]	4.3	4.3	4.3	4.3	8	8	9.2	9.2	16	16	16	19.3	
	240 VAC	[kVA]	4.5	4.5	4.5	4.5	8.3	8.3	10	10	17	17	17	20.2	
	380 VAC	[kVA]	7.2	7.2	7.2	7.2	13.2	13.2	15.4	15.4	26.9	26.9	26.9	31.9	
	400 VAC	[kVA]	7.5	7.5	7.5	7.5	14	14	16	16	28	28	28	33.6	
	415 VAC	[kVA]	7.8	7.8	7.8	7.8	14	14	17	17	29	29	29	34.9	
	500 VAC	[kVA]	9.4	9.4	9.4	9.4	17	17	20	20	35	35	35	42	
690 VAC	[kVA]	13	13	13	13	24	24	27	27	49	49	49	58		
n=20		[A]	16.3	16.3	16.3	16.3	30	30	34.5	34.5	61.3	61.3	61.3	72.8	
	230 VAC	[kVA]	6.5	6.5	6.5	6.5	12	12	14	14	24.4	24.4	24.4	29.0	
	240 VAC	[kVA]	6.8	6.8	6.8	6.8	12.5	12.5	14.6	14.6	25.5	25.5	25.5	30.3	
	380 VAC	[kVA]	10.7	10.7	10.7	10.7	19.7	19.7	23.2	23.2	40.3	40.3	40.3	47.9	
	400 VAC	[kVA]	11.3	11.3	11.3	11.3	20.8	20.8	24.4	24.4	42.5	42.5	42.5	50.4	
	415 VAC	[kVA]	11.7	11.7	11.7	11.7	21.6	21.6	25.3	25.3	44.1	44.1	44.1	52.3	
	500 VAC	[kVA]	14.1	14.1	14.1	14.1	26	26	30.5	30.5	53.1	53.1	53.1	63.0	
690 VAC	[kVA]	19.5	19.5	19.5	19.5	35.9	35.9	42.1	42.1	73.3	73.3	73.3	86.9		
n=15		[A]	21.7	21.7	21.7	21.7	40	40	46	46	81.7	81.7	81.7	97.0	
	230 VAC	[kVA]	8.7	8.7	8.7	8.7	15.9	15.9	18.7	18.7	32.5	32.5	32.5	38.6	
	240 VAC	[kVA]	9	9	9	9	16.6	16.6	19.5	19.5	33.9	33.9	33.9	40.3	
	380 VAC	[kVA]	14.3	14.3	14.3	14.3	26.3	26.3	30.9	30.9	53.8	53.8	53.8	63.8	
	400 VAC	[kVA]	15.1	15.1	15.1	15.1	27.7	27.7	32.5	32.5	56.6	56.6	56.6	67.2	
	415 VAC	[kVA]	15.6	15.6	15.6	15.6	28.8	28.8	33.7	33.7	58.7	58.7	58.7	69.7	
	500 VAC	[kVA]	18.8	18.8	18.8	18.8	34.6	34.6	40.6	40.6	70.7	70.7	70.7	84.0	
690 VAC	[kVA]	26	26	26	26	47.8	47.8	56.1	56.1	97.6	97.6	97.6	115.9		

① CA7 ratings for lighting loads are provided for technical reference. For cUL rated and labeled devices, see CAL7 contactors listed in this section.