

Components Capacitor switching

0...1000 kVAR

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On-load capacitor switching for bar-mounted contactors, a.c. control circuit

Rated operational voltage (V)	Without damping resistor				With damping resistor			
	Number of poles	Max. operational current (A)		Basic reference, to be completed	Number of poles	Max. operational current (A)		Basic reference, to be completed
		50 Hz	180 Hz			50 Hz	180 Hz	
1300	1	80	60	CE5FB11•11	1 + 1 staggered pole	80	60	CE6FB12•11
		160	125	CE5GB11•11		160	125	CE6GB12•11
		240	190	CE5HB11•11		240	190	CE6HB12•11
	2	80x2	60x2	CE5FB21•11	2 + 2 staggered poles	240x2	190x2	CE6HB22•11
		160x2	125x2	CE5GB21•11				
		240x2	190x2	CE5HB21•11				
3	80x3	60x3	CE5FB31•11	1 + 2 staggered poles				
	160x3	125x3	CE5GB31•11					
	240x3	190x3	CE5HB31•11					
1500	2 poles in series	160	125	CE5GB12•11		160	125	CE6GB13•11
		280	220	CE5HB12•11		280	220	CE6HB13•11
	2 x 2 poles in series	280x2	220x2	CE5HB22•11				
2000	2 poles in series	240	190	CS5HB12•11	1 + 2 staggered poles	240	190	CS6HB13•11
	2 x 2 poles in series	240x2	190x2	CS5HB22•11				
3000	3 poles in series	280	220	CS5HB13•11	1 + 3 staggered poles	280	220	CS6HB14•11

Standard control circuit voltages

~ supply												
Volts	110	125	127	200	220	240	250	380	415	440	500	
50 Hz (coil LX1)	F	-	G	L	M	U	-	Q	N	R	S	



Maximum operational power of contactors standard contactors

Operational power at 50/60 Hz

	$\theta \geq 40\text{ }^\circ\text{C}$			$\theta \geq 55\text{ }^\circ\text{C}$			Peak current A	Contactor size
	220 V	400 V	600 V	220 V	400 V	600 V		
	240 V	440 V	690 V	240 V	440 V	690 V		
	kVAR	kVAR	kVAR	kVAR	kVAR	kVAR		
	6	11	15	6	11	15	560	LC1D09, D12
	9	15	20	9	15	20	850	LC1D18
	11	20	25	11	20	25	1600	LC1D25
	14	25	30	14	25	30	1900	LC1D32, D38
	17	30	37	17	30	37	2160	LC1D40A
	22	40	50	22	40	50	2160	LC1D50A
	22	40	50	22	40	50	3040	LC1D65A
	35	60	75	35	60	75	3040	LC1D80, D95
	50	90	125	38	75	80	3100	LC1D115
	60	110	135	40	85	90	3300	LC1D150
	70	125	160	50	100	100	3500	LC1F185
	80	140	190	60	110	110	4000	LC1F225
	90	160	225	75	125	125	5000	LC1F265
	100	190	275	85	140	165	6500	LC1F330
	125	220	300	100	160	200	8000	LC1F400
	180	300	400	125	220	300	10000	LC1F500
	250	400	600	190	350	500	12000	LC1F630
	250	400	600	190	350	500	14200	LC1F800
	200	350	500	180	350	500	25000	LC1BL
	300	550	650	250	500	600	25000	LC1BM
	500	8350	950	400	750	750	25000	LC1BP
	600	1100	1300	500	1000	1000	25000	LC1BR

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special contactors

Operational power at 50/60 Hz

	$\theta \geq 55\text{ }^\circ\text{C}$			Instantaneous auxiliary contacts		Tightening torque on cable end N.m	Basic reference, to be completed
	220 V	400 V	660 V	NO	NC		
	240 V	440 V	690 V				
	kVAR	kVAR	kVAR				
	6.7	12.5	18	1	1	1.2	LC1DFK11**
				-	2	1.2	LC1DFK02**
	8.5	16.7	24	1	1	1.7	LC1DGK11**
				-	2	1.7	LC1DGK02**
	10	20	30	1	1	1.9	LC1DLK11**
				-	2	1.9	LC1DLK02**
	15	25	36	1	1	2.5	LC1DMK11**
				-	2	2.5	LC1DMK02**
	20	33.3	48	1	2	5	LC1DPK12**
	25	40	58	1	2	5	LC1DTK12**
	40	60	92	1	2	9	LC1DWK12**

Standard control circuit voltages

~ supply

Volts	24	42	48	110	115	220	230	240	380	400	415	440
50/60 Hz (coil LX1)	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7