Tesys D Contactors

Applications: Industry, infrastructure, building etc

●Tesys D contactors have been designed for perfect integration in control system, specific reference BL or BBE compatible with digital I/O 100mA or 500mA;

●They can be used to creat motor starters for any type of application;

Tesys D Contactors are the largest selling line of contactors in the world, they offer multistandard compact solution, high reliability with long mechanical and electrical life and the most complete line of accessories in the industry, are the perfect choice of any application.

LC1D09-18

LC1D25-32

LC1D40-65

LC1D80-95

LC1D115-150

Pole Characteristics

Contactor Type	LC1		D09	D12	D18	D25	D32	D40	D50	D65	D80	D95	D115	D150
Rated operational current, Ie	In AC-3, θ≤60℃	A	9	12	18	25	32	40	50	65	80	95	115	150
Ue≤440V	In AC-1, θ≤60℃	A	25	25	32	40	50	60	80	80	125	125	200	200
Rated operational voltage, Ue	Up to	V	690								1000			
Frequency limits	Of Ie	Hz	25…400											
Conventional thermal current, Ith	θ≤60℃	A	25	25	32	40	50	60	80	80	80	125	200	200
Rated making capacity, 440V	Conforming to	A	250	250	300	450	550	800	900	1000	1100	1100	1260	1660
Rated breaking capacity, 440V	IEC 60947	A	250	250	300	450	550	800	900	1000	1100	1100	1100	1400
Permissible short time rating	For 1 s	A	210	210	240	380	430	42	810	900	990	1100	1100	1400
No current flowing for precedin	For 10 s	A	105	105	145	240	260	320	400	520	640	800	950	1200
15 minutes with θ≤40℃	For 1 min	A	61	61	84	120	138	165	208	260	320	400	550	580
	For 10 min	A	30	30	40	50	60	72	84	110	135	135	250	250
Average impedance per pole	At Ith and 50Hz	mΩ	2.5	2.5	2.5	2	2	1.5	1.5	1.5	0.8	0.8	0.6	0.6

Control Circuit Characteristics, AC Supply

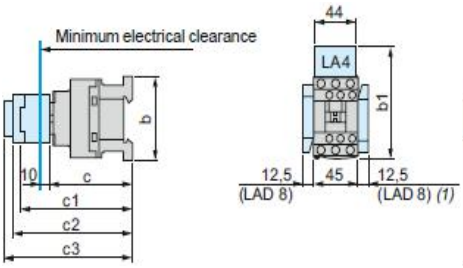
Rated control circuit voltage, U	50/60Hz	V	12…690										24…500	
Control voltage limits														
50 or 60Hz coils	Operation		-								0.85…1.1Uc at 55℃			
	Drop-out		-								0.3…0.5Uc at 55℃			
50/60Hz coils	Operation		0.8…1.1 Uc on 50Hz and 0.85…1.1Uc on 60Hz at 6								0.8…1.15Uc at 55℃			
	Drop-out		0.3…0.6Uc at 60℃										0.3…0.5Uc	
Average consumption at 20℃ and at Uc														
AC50Hz, Inrush	50Hz coil	VA	-								200		300	-
	CosØ		0.75										0.8	0.9
	50/60Hz coil	VA	70					160			245		280…350	
AC50Hz, Sealed	50Hz coil	VA	-								20		22	-
	CosØ		0.3											0.9
	50/60Hz coil	VA	7					15			26		2…18	
AC60Hz, Inrush	60Hz coil	VA	-								220		300	-
	CosØ		0.75										0.8	0.9
	50/60Hz coil	VA	70					140			245		280…350	
AC60Hz, Sealed	60Hz coil	VA	-								22		22	-
	CosØ		0.3											0.9
	50/60Hz coil	VA	7					13			26		2…18	
Heat dissipation	50/60Hz	W	2…3					4…5			6…10		3…4.5	
Operating time	Closing "C"	ms	12…22					12…16			20…35			
	Opening "O"	ms	4…19								6…20			
Maximum operating rate	in operating cycles per hour		3600										2400	1200

Coil Voltage Code								
Volts	24	48	110	220	230	380	415	440
50Hz	B5	E5	F5	M5	P5	Q5	N5	R5
60Hz	B6	E6	F6	M6	P6	Q6	N6	R6
50/60Hz	B7	E7	F7	M7	P7	Q7	N7	R7

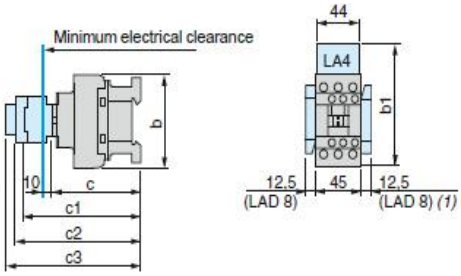
Tesys D Contactors

Dimensions, mm

LC1D09-18



LC1D25-32



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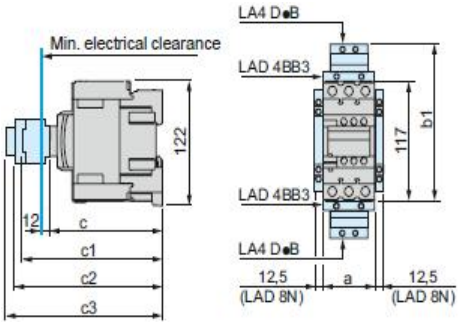

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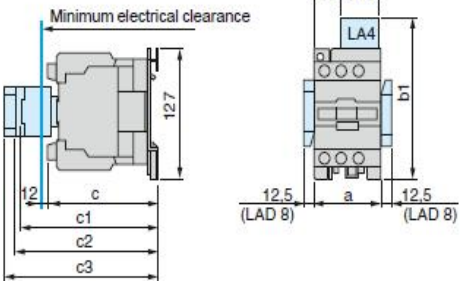

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