

References

TeSys D Green contactors

For North American market, conforming to UL ⁽¹⁾ and CSA standards 25 to 80 A



LC1 D09●●●



LC1 D40A●●●

Contactors									
Standard power ratings of motors 50/60 Hz						Associated cable type 75 °C-Cu	Continuous current	Type of contactor required Partial reference, to be completed by adding the control voltage code Fixing, connection ⁽²⁾	
Single-phase 1 Ø		3-phase 3 Ø							
115 V	230 V	200 V	230 V	460 V	575 V				
	240 V	208 V	240 V	480 V	600 V				
HP	HP	HP	HP	HP	HP		A		
Connection by screw clamp terminals									
1/3	1	2	2	5	7.5	AWG 18 - 10	25	LC1D09●●●	
0.5	2	3	3	7.5	10	AWG 18 - 10	25	LC1D12●●●	
1	3	5	5	10	15	AWG 18 - 8	32	LC1D18●●●	
2	3	7.5	7.5	15	20	AWG 14 - 6	40	LC1D25●●●	
2	5	10	10	20	25	AWG 14 - 6	50	LC1D32●●●	
Power connections by EverLink® BTR ⁽³⁾ screw connectors and control by spring terminals									
3	5	10	10	30	30	AWG 16 - 2	60	LC1D40A●●●	
3	7.5	15	15	40	40	AWG 16 - 2	70	LC1D50A●●●	
5	10	20	20	40	50	AWG 16 - 2	80	LC1D65A●●●	

Applications with High-Fault Short-Circuit ratings

For contactors LC1 D40A to LC1 D65A, the High-Fault Short-Circuit ratings are: 100 kA at 600 V with class J fuses and 85 kA (D09-38), 100 kA (D40A-65A) at 480 V and 50 kA at 600 V with circuit breakers.

Control voltage codes

AC/DC supply					
Volts	24 (DC only)	24-60	48-130	100-250	250 V - 415 V AC / 250 V - 500 V DC
LC1D09 ... D32, LC1D40A ... D65A					
U 0.85 1.1 Uc		BNE	EHE	KUE	USE ⁽⁴⁾
LC1D40A ... D65A					
U 0.8...1.2 Uc		BBE			

⁽¹⁾ Certification in progress

⁽²⁾ LC1 D09 to D65: clip-on mounting on 35 mm \perp rail AM1 DP or screw fixing.

⁽³⁾ BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LAD ALLEN4, see page 14).

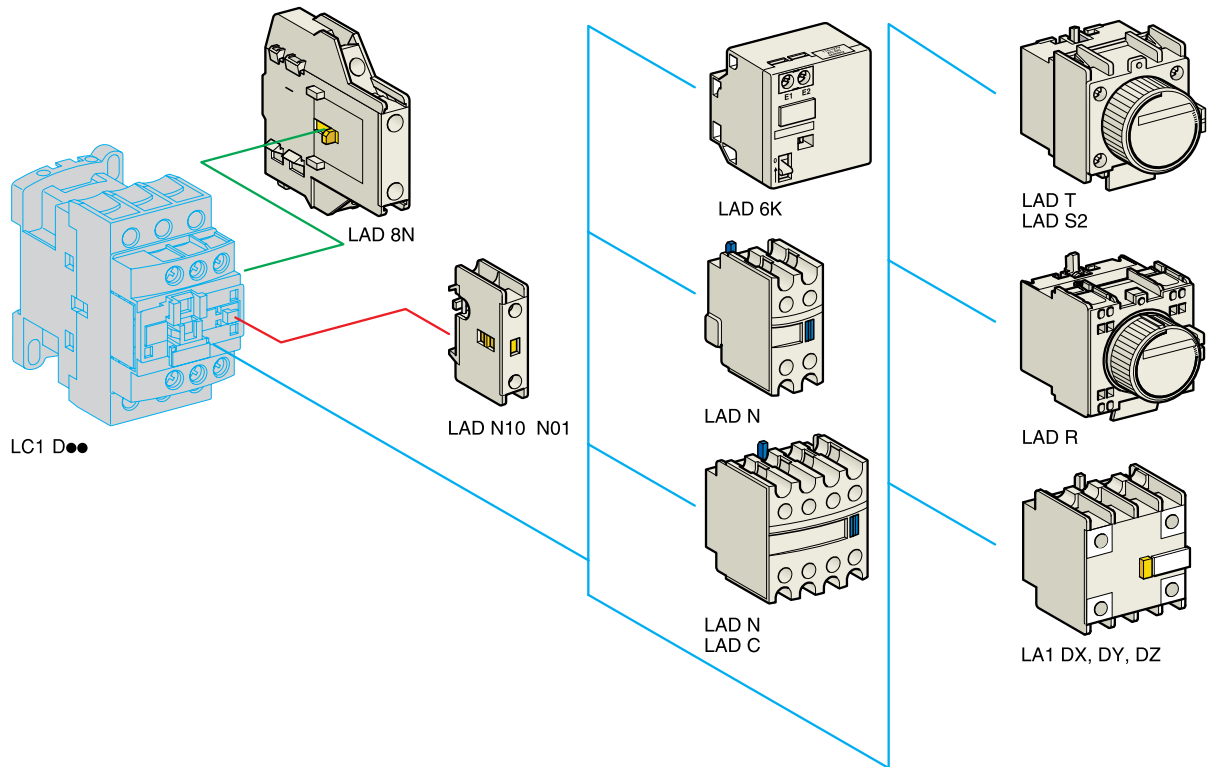
⁽⁴⁾ Available end of 2017.

TeSys contactors

TeSys D contactors and reversing contactors

Instantaneous auxiliary contact blocks

DG423133R-eps



Instantaneous auxiliary contact blocks for connection by screw clamp terminals

For use in normal operating environments

Clip-on mounting	Number of contacts per block ⁽¹⁾	Composition					Reference	
Front	1	-	-	-	1	-	LADN10	
		-	-	-	-	1	LADN01	
	2	-	-	-	1	1	LADN11	
		-	-	-	2	-	LADN20	
	4	-	-	-	2	2	LADN02	
		-	-	-	2	2	LADN22	LADN22S ⁽¹⁾
		-	-	-	1	3	LADN13	
		-	-	-	4	-	LADN40	
		-	-	-	-	4	LADN04	
		-	-	-	3	1	LADN31	
	4 incl. 1 N/O & 1 N/C make before break	-	-	-	2	2	LADC22	
Side	2	-	-	-	1	1	LAD8N11	
		-	-	-	2	-	LAD8N20	
		-	-	-	-	2	LAD8N02	

For terminal referencing conforming to EN 50012

Front on 3P contactors and	2	-	-	-	1	1	LADN11G
4P contactors 20 to 80 A	4	-	-	-	2	2	LADN22G

With dust and damp protected contacts, for use in particularly harsh industrial environments

Front	2	-	2	-	-	-	LA1DX20
		1	1	-	-	-	LA1DX11
	4	2	-	-	-	-	LA1DX02
		-	2	2	-	-	LA1DY20 ⁽²⁾
		-	2	-	2	-	LA1DZ40
	-	2	-	1	1	LA1DZ31	

Maximum number of auxiliary contacts per rating

Contactors			Instantaneous auxiliary contacts				Time delay
Coil	Pole	Rating ref.	Side mounted	Front mounted			Front mounted
				1 contact	2 contact	4 contact	
AC/DC compatible	3P	LC1 D09...D38	1 on Right Hand side	and -	1	or 1	or 1
		LC1 D40A...D80A	1 on RH or LH side	and -	1	or 1	or 1
	4P	LC1 DT60A and DT80A	1 on RH or LH side	and -	1	or 1	or 1

⁽¹⁾ With red front face - for safety chain indication.

⁽²⁾ Device fitted with 4 earth screen continuity terminals.