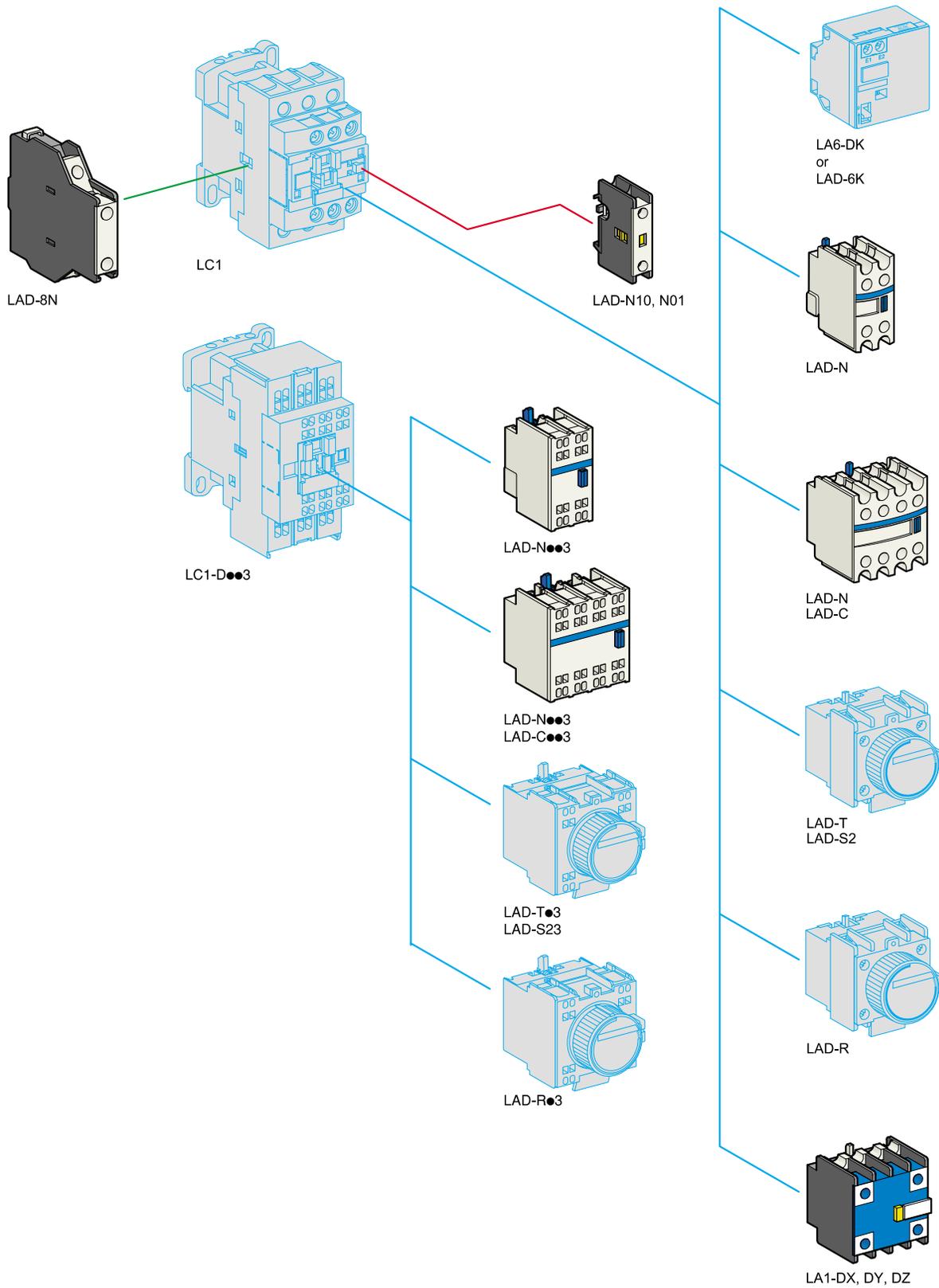


TeSys D-Line Contactors, Enclosed Starters, Overload Relays, and Accessories

Selection of Auxiliary Contact Blocks



TeSys D-Line Contactors, Enclosed Starters, Overload Relays, and Accessories

Selection of Auxiliary Contact Blocks

Instantaneous Auxiliary Contact Blocks for Connection by Screw Clamp Terminals

For use in normal operating environments

In order to mount on an LAD8N on an LC1D40 to D95, a set of shims must be ordered separately, see page 114.

Clip-on mounting (1)	Number of contacts per block	Composition					Catalog Number	Weight lb (kg)
								
Front	1	-	-	-	1	-	LADN10	0.04 (0.020)
		-	-	-	-	1	LADN01	0.04 (0.020)
	2	-	-	-	1	1	LADN11	0.07 (0.030)
		-	-	-	2	-	LADN20	0.07 (0.030)
		-	-	-	-	2	LADN02	0.07 (0.030)
		-	-	-	2	2	LADN22	0.11 (0.050)
	4	-	-	-	1	3	LADN13	0.11 (0.050)
		-	-	-	4	-	LADN40	0.11 (0.050)
		-	-	-	-	4	LADN04	0.11 (0.050)
		-	-	-	3	1	LADN31	0.11 (0.050)
4 includes one N/O and one N/C make before break		-	-	-	2	2	LADC22	0.11 (0.050)
Side	2	-	-	-	1	1	LAD8N11	0.07 (0.030)
		-	-	-	2	-	LAD8N20	0.07 (0.030)
		-	-	-	-	2	LAD8N02	0.07 (0.030)

For terminal referencing conforming to standard EN 50012

Front, on 3P contactors & 4P contactors 20 to 60A	2	-	-	-	1	1	LADN11G	0.07 (0.030)
	4	-	-	-	2	2	LADN22G	0.11 (0.050)
Front, on 4P contactors 80 to 200A	2	-	-	-	1	1	LADN11P	0.07 (0.030)
	4	-	-	-	2	2	LADN22P	0.11 (0.050)

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

Front	2	-	2	-	-	-	LA1DX20	0.09 (0.040)
		2	-	-	-	-	LA1DX02	0.09 (0.040)
	4	-	2	2	-	-	LA1DY20 (3)	0.09 (0.040)
		-	2	-	2	-	LA1DZ40	0.11 (0.050)
		-	2	-	1	1	LA1DZ31	0.13 (0.060)

Instantaneous auxiliary contact blocks for connection by lugs

This type of connection is not possible for blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add the digit 6 to the end of the references selected above. Example: LADN10 becomes LADN106.

Instantaneous auxiliary contact blocks for connection by spring terminals

This type of connection is not possible for LAD8, LADN with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the digit 3 to the end of the references selected above. Example: LADN11 becomes LADN113.

Instantaneous auxiliary contact blocks for connection by Faston connectors

This type of connection is not possible for LAD8, LADN with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the digit 9 to the end of the references selected above. Example: LADN11 becomes LADN119.

(1) Maximum number of auxiliary contacts that can be fitted

Contactors			Instantaneous auxiliary contact blocks				Time delay Front mounted	
Type	Number of poles and size		Side mounted		Front mounted			
					1 contact	2 contacts	4 contacts	
ac	3P	LC1D09 to D38	1 on left-hand side	and	-	1	or 1	or 1
		LC1D40 to D95 (50/60 Hz)	1 on each side	or	2	and 1	or 1	or 1
		LC1D40 to D95 (50 or 60 Hz)	1 on each side	and	2	and 1	or 1	or 1
	4P	LC1D115 and D150	1 on left-hand side	and	-	1	or 1	or 1
		LC1DT20 to DT60	1 on left-hand side	and	-	1	or 1	or 1
		LC1D65 and D80	1 on each side	or	1	or 1	or 1	or 1
dc	3P	LC1D09 to D38	-		-	1	or 1	or 1
		LC1D40 to D95	-		1	or 1	or 1	or 1
		LC1D115 and D150	1 on left-hand side	and	-	1	or 1	or 1
	4P	LC1DT20 to DT80	1 on left-hand side	or	-	1	or 1	or 1
		LP1D65 and D80	-		2	and 1	or 1	or 1
		LC1D115	1 on each side		-	and 1	or 1	or 1
LC (4)	3P	LC1D09 to D38	-		-	1 (5)	-	-
	4P	LC1DT20 to DT60	1 on left-hand side	and	-	1	or 1	or 1

(3) Device with 4 shield bonding terminals.

(4) LC: low consumption.

(5) Except LADN02.

Characteristics: page 100 - 102

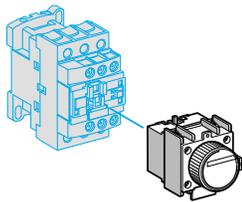
Dimensions: page 121 - 124

Schematics: pages 125, 126

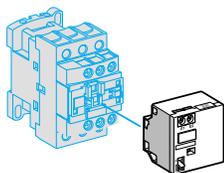


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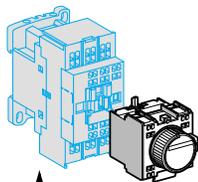
Selection of Time-Delay Blocks, and Mechanical-Latch Blocks



LADT●

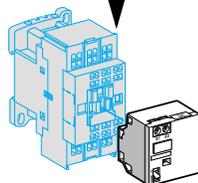


LA6DK●●



LADT●3

Spring Terminals



LA6DK●●

Time Delay Auxiliary Contact Blocks for Connection by Screw Clamp Terminals

Maximum number of auxiliary contact blocks that can be attached per contactor, see page 107.
 Sealing cover to be ordered separately, see page 114.
 LADT0 and LADR0: with extended scale from 0.1 to 0.6 s.
 LADS2: with switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact.

Clip-on Mounting	Number of Contacts	Time Delay		Catalog Number	Weight lb (kg)
		Type	Setting Range		
Front	1 N/O + 1 N/C	On-delay	0.1 to 3 s	LADT0	(0.13) 0.060
			0.1 to 30 s	LADT2	(0.13) 0.060
			10 to 180 s	LADT4	(0.13) 0.060
			1 to 30 s	LADS2	(0.13) 0.060
		Off-delay	0.1 to 3 s	LADR0	(0.13) 0.060
			0.1 to 30 s	LADR2	(0.13) 0.060
			10 to 180 s	LADR4	(0.13) 0.060

Time delay auxiliary contact blocks for connection by lugs

Add the digit 6 to the end of the references selected above. Example: LADT0 becomes LADT06.

Time delay auxiliary contact blocks for connection by spring terminals

Add the digit 3 to the end of the references selected above. Example: LADT0 becomes LADT03.

Time delay auxiliary contact blocks for connection by Faston connectors

Add the digit 9 to the end of the references selected above. Example: LADT0 becomes LADT09.

Mechanical latch blocks (3)

Clip-on Mounting	Unlatching Control	For use on Contactor	Basic Reference, Complete with Code Indicating Control Voltage	Standard Voltages (1)	Weight lb (kg)
Front	Manual or electric	LC1D40 to D65 3P ac or dc LC1D65 4P ac LP1D65 4P dc	LA6DK10●	B E F M Q	(0.15) 0.070
		LC1D80 to D150 3P ac LC1D80 and D115 3P dc LP1D80 and LC1D115 4P dc	LA6DK20●	B E F M Q	(0.20) 0.090
		LC1D09 to D38 ac or dc LC1DT20 to DT60 ac or dc	LAD6K10●	B E F M Q	(0.15) 0.070

(1) Standard control circuit voltages (for other voltages please consult your Regional Sales Office).

Volts 50/60 Hz, ---	24	32/36	42/48	60/72	100	110/127	220/240	256/277	380/415
Code	B	C	E	EN	K	F	M	U	Q

(3) The mechanical latching block must not be powered up at the same time as the contactor. The duration of the control signal for the mechanical latching block and the contactor should be ≥ 100 ms.

Characteristics: page 100 - 102 Dimensions: page 121 - 124 Schematics: pages 125, 126

