


# TeSys contactors

## TeSys D contactors and reversing contactors Instantaneous auxiliary contact blocks

### Instantaneous auxiliary contact blocks for connection by screw clamp terminals

#### For use in normal operating environments

In order to mount an LAD 8N on an LC1 D80 to D95, a set of shims must be ordered separately, see page 5/85.

Clip-on mounting (1)	Number of contacts per block	Composition	Reference	Weight kg
Front	1	 – – – 1 –	LAD N10	0.020
		– – – – 1	LAD N01	0.020
	2	– – – 1 1	LAD N11	0.030
		– – – 2 –	LAD N20	0.030
		– – – – 2	LAD N02	0.030
	4	– – – 2 2	LAD N22	0.050
		– – – 1 3	LAD N13	0.050
		– – – 4 –	LAD N40	0.050
		– – – – 4	LAD N04	0.050
		– – – 3 1	LAD N31	0.050
		4 incl. 1 N/O & 1 N/C make before break	LAD C22	0.050
Side	2	– – – 1 1	LAD 8N11	0.030
		– – – 2 –	LAD 8N20	0.030
		– – – – 2	LAD 8N02	0.030

#### For terminal referencing conforming to EN 50012

Front on 3P contactors and 4P contactors 20 to 80 A	2	– – – 1 1	LAD N11G	0.030
	4	– – – 2 2	LAD N22G	0.050
Front on 4P contactors 125 to 200 A	2	– – – 1 1	LAD N11P	0.030
	4	– – – 2 2	LAD N22P	0.050

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

Front	2	– 2 – – –	LA1 DX20	0.040
		1 1 – – –	LA1 DX11	0.040
		2 – – – –	LA1 DX02	0.040
	4	– 2 2 – –	LA1 DY20 (2)	0.040
		– 2 – 2 –	LA1 DZ40	0.050
		– 2 – 1 1	LA1 DZ31	0.060

### Instantaneous auxiliary contact blocks for connection by lugs

This type of connection is not possible for blocks with 1 contact or blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add the figure 6 to the end of the references selected above.

Example: LAD N11 becomes LAD N116.

### Instantaneous auxiliary contact blocks for connection by spring terminals

This type of connection is not possible for LAD 8, LAD N with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the figure 3 to the end of the references selected above.

Example: LAD N11 becomes LAD N113.

### Instantaneous auxiliary contact blocks for connection by Faston connectors

This type of connection is not possible for LAD 8, LAD N with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the figure 9 to the end of the references selected above.

Example: LAD N11 becomes LAD N119.

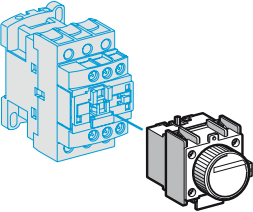
(1) Maximum number of auxiliary contacts that can be fitted:

Contactors			Instantaneous auxiliary contacts				Time delay Front mounted	
Type	Number of poles and size		Side mounted	Front mounted				
				1 contact	2 contacts	4 contacts		
~	3P	LC1 D09...D38	1 on LH side	and –	1	or 1	or 1	
		LC1 D40A...D65A	1 on LH or 1 on RH side	and –	1	or 1	or 1	
		LC1 D80 and D95 (50/60 Hz)	1 on each side	or 2	and 1	or 1	or 1	
		LC1 D80 and D95 (50 or 60 Hz)	1 on each side	and 2	and 1	or 1	or 1	
		LC1 D115 and D150	1 on LH side	and –	1	or 1	or 1	
	4P	LC1 DT20...DT40	1 on LH side	and –	1	or 1	or 1	
		LC1 DT60A and DT80A	1 on LH or 1 on RH side	and –	1	or 1	or 1	
		LC1 D40008, D65008 and D80	1 on each side	or 1	or 1	or 1	or 1	
		LC1 D115	1 on each side	and 1	or 1	or 1	or 1	
		---	3P	LC1 D09...D38	–	–	1	or 1
LC1 D40A...D65A	–			–	1	or 1	or 1	
LC1 D80 and D95	–			1	or 1	or 1	or 1	
LC1 D115 and D150	1 on LH side			and –	1	or 1	or 1	
4P	LC1 DT20...DT40			–	–	1	or 1	or 1
	LC1 DT60A and DT80A		–	–	1	or 1	or 1	
	LC1 D40008, D65008 and D80		–	2	and 1	or 1	or 1	
	LC1 D115		1 on each side	–	and 1	or 1	or 1	
	BC (3)		3P	LC1 D09...D38	–	–	1	–
4P			LC1 DT20...DT40	–	–	1	–	–

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

(3) LC: low consumption.

TeSys contactors  
TeSys D contactors and reversing contactors  
Time delay auxiliary contact blocks  
Mechanical latch blocks

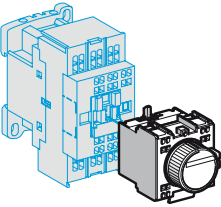


LAD T●

Time delay auxiliary contact blocks for connection by screw clamp terminals

Maximum number of auxiliary contact blocks that can be fitted per contactor, see page 5/79.  
Sealing cover to be ordered separately, see page 5/85.  
LAD T0 and LAD R0: with extended scale from 0.1 to 0.6 s.  
LAD S2: 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		Reference	Weight kg
		Type	Setting range		
Front	1 N/O + 1 N/C	On-delay	0.1...3 s	LAD T0	0.060
			0.1...30 s	LAD T2	0.060
			10...180 s	LAD T4	0.060
			1...30 s	LAD S2	0.060
		Off-delay	0.1...3 s	LAD R0	0.060
			0.1...30 s	LAD R2	0.060
			10...180 s	LAD R4	0.060



LAD T●3

Time delay auxiliary contact blocks for connection by lugs

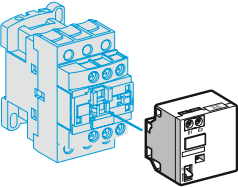
Add the figure 6 to the end of the references selected above. Example: LAD T0 becomes LAD T06.

Time delay auxiliary contact blocks for connection by spring terminals

Add the figure 3 to the end of the references selected above. Example: LAD T0 becomes LAD T03

Time delay auxiliary contact blocks for connection by Faston connectors

Add the figure 9 to the end of the references selected above. Example: LAD T0 becomes LAD T09.



LAD 6K10●

Mechanical latch blocks (1)

Clip-on mounting	Unlatching control	For use on contactor	Basic reference, to be completed by adding the control voltage code (2)	Weight kg
Front	Manual or electric	LC1 D09...D38 (∼ or ∴)	LAD 6K10●	0.070
		LC1 DT20...DT40 (∼ or ∴)		
		LC1 D40A...D65A (3 P ∼ or ∴) LC1 DT60A and DT80A (4 P ∼ or ∴)	LAD 6K10●	0.070
		LC1 D80...D150 (3 P ∼) LC1 D80 and D115 (3 P ∴) LC1 D80 (4 P ∼) LC1 D80 and D115 (4 P ∼) LP1 D80 and LC1 D115 (4 P ∴)	LA6 DK20●	0.090

(1) The mechanical latch block must not be powered up at the same time as the contactor.  
The duration of the control signal for the mechanical latch block and the contactor should be:  
≥ 100 ms for a contactor operating on an a.c. supply,  
≥ 250 ms for a contactor operating on a d.c. supply.  
Maximum impulse duration for the LAD 6K10● mechanical latch block: 10 seconds.  
(2) 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