



Front Mounted Auxiliary Blocks

Auxiliary Contacts, Time Delay, Mechanical Latch**Table 16.46: Standard, Instantaneous Auxiliary Contact Blocks**

Snap-On Mounting	Number of Contacts	Composition		Catalog Number
		N.O.	N.C.	
To front of Size 00–2 or To right side of Size 3–7	4	2	2	LADN22 [12]
		1	3	LADN13 [12]
		4	0	LADN40 [12]
		0	4	LADN04 [12]
		3	1	LADN31 [12]
		2 [13]	2 [13]	LADC22 [13]
	2	1	1	LADN11 [12]
		2	0	LADN20 [12]
		0	2	LADN02 [12]
To left side of Size 3–7	1	1	0	LADN10
		0	1	LADN01
To side of Size 00–2	2	1	1	LADN11 [14]
		2	0	LADN20 [14]

Table 16.47: Instantaneous Blocks with Dust-Tight Auxiliary Contacts (IP54) NEMA 12

Snap-On Mounting	Standard Contacts		Dust-Tight Contacts		Catalog Number
	N.O.	N.C.	N.O.	N.C.	
To front of Size 00–2 or To right side of Size 3–7	—	—	2	—	LA1DX20
	2	—	2	—	LA1DZ40
	1	1	2	—	LA1DZ31
	—	—	2	—	LA1DY20 [15]

Table 16.48: Pneumatic Time Delay Contact Blocks

Snap-On Mounting	Time Delay Contacts		Type	Range of Time Delay	Catalog Number [16]
	N.O.	N.C.			
To front of Size 00–2 or To right side of Size 3–7	1	1	On energization (on delay)	0.1 to 3 s [17]	LADT0
				0.1 to 30 s	LADT2
				10 to 180 s	LADT4
				1 to 30 s [18]	LADS2
	1	1	On de-energization (off-delay)	0.1 to 3 s [17]	LADR0
				0.1 to 30 s	LADR2
				10 to 180 s	LADR4

Table 16.49: Mechanical Latch Blocks with Manual or Electrical Unlatch

Front snap-on mounting onto	Application	Catalog Number
Size 00–2	For silent operation and energy conservation	LAD6K10 [19][20]

Table 16.50: Coil Voltage Codes for LA6DK Mechanical Latch Blocks

Volts	24	120	208	240	480
AC or DC [21]	B	F	L	M	R

[12] For spring terminal versions of these blocks, add a **3** to the end of the catalog number (for example, LADN223).

[13] Including 1 N.O. + 1 N.C. make-before-break overlapping contacts.

[14] 1 block may be added to the left side of Size 00–1, AC coils only; only 1 block may be added to either side of the Size 2 contactor, AC coil only. Cannot be installed on Size 00–2 contactors with DC coils.

[15] Device comes with 4 ground terminal points.

[16] For spring terminal versions of these blocks, add a **3** to the end of the catalog number (for example, LADT23). There is no charge for this modification.

[17] Scale range is expanded between 0.1 and 0.6 seconds on the dial for more accurate settings at the lower end of the range.

[18] Switching time between the opening of the N.C. contact and the closing of the N.O. contact: 40 ms ± 15 ms.

[19] Complete the catalog number by adding the coil voltage code (for example, LAD6K10F).

[20] Does not include internal coil clearing contact.

[21] DC available at 24 V only.

TeSys™ N Non-Reversing Contactors

Table 16.66: TeSys N Contactors, Size 00–1, Non-Reversing [34]

Dimensional Diagram	Dimension	Description	Dimensions			
			AC Coil		DC Coil	
			in.	mm	in.	mm
Minimum electrical clearance b b1 c c1 c2 c3 1.77 45	b	Without add-on accessories	3.35	85	3.35	85
	b1	With LAD4BB	3.86	98	n/a	n/a
		With LA4D-2	4.49	114	n/a	n/a
		With LA4DF, DT	4.84	123	n/a	n/a
		With LA4DR, DW, DL	5.12	130	n/a	n/a
	c	Without cover or add-on blocks	3.54	90	3.90	99
		With cover, without add-on blocks	3.62	92	3.98	101
	c1	With LADN or LADC	4.84	123	5.20	132
	c2	With LAD6K10	5.31	135	5.67	144
	c3	With LADT, R, S	5.63	143	5.98	152
		With LADT, R, S and sealing cover	5.79	147	6.14	156

Table 16.67: TeSys N Contactors, Size 2, Non-Reversing [34]

Dimensional Diagram	Dimension	Description	Dimensions	
			AC or DC Coils	
			in.	mm
 Minimum electrical clearance 4.80 122 0.47 12 c c1 c2 c3 0.49 12.5 (LAD 8N) a 0.49 12.5 (LAD 8N) 4.61 117 b1	a	Contactor	2.17	55
	b1	With LA4 DB3 or LAD 4BB3	5.35	136
		With LA4 DF, DT	6.18	157
		With LA4 DM, DW, DL	6.54	166
	c	Without cover or add-on blocks	4.65	118
		With cover, without add-on blocks	4.72	120
	c1	With LAD N or C (2 or 4 contacts)	5.91	150
	c2	With LAD 6K10 or LA6 DK	6.42	163
		With LAD T, R, S	6.73	171
	c3	With LAD T, R, S and sealing cover	6.89	175

Table 16.68: TeSys N Contactors, Size 3–7, Non-Reversing

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[34] DIN rail and panel mountable.