

TeSys Control

Deca Advanced, Deca Contactors - Auxiliary Contact Blocks

Product references



Characteristics:
p. B8/96 to B8/97

Curves:
p. B8/98

Dimensions:
p. B8/107 to B8/108

Schemes:
p. B8/111 to B8/112



LADN22



LAD8N11



LADN22R



LA1DX●●, LA1DZ●●

Instantaneous auxiliary contact blocks for connection by screw clamp terminals

For use in normal operating environments

Clip-on mounting	Number of contacts per block	Composition	Reference
Front	1	— — — 1 —	LADN10
		— — — — 1	LADN01
	2	— — — 1 1	LADN11
		— — — 2 —	LADN20
	4	— — — — 2	LADN02
		— — — 2 2	LADN22
		— — — 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 (contact blocks compatible with AC coil and AC/DC Deca Advanced contactors)	2	— — — 1 1	LAD8N11
		— — — 2 —	LAD8N20
		— — — — 2	LAD8N02

For use in harsh industrial environment ⁽⁶⁾

Front	2	— — — 1 1	LADN11R
		— — — 2 —	LADN20R
	4	— — — 2 2	LADN22R
		— — — 4 —	LADN40R
		— — — 3 1	LADN31R

For terminal referencing conforming to EN 50012

Front on 3P contactors and 4P contactors 20 to 80 A	2	— — — 1 1	LADN11G
	4	— — — 2 2	LADN22G
Front on 4P contactors 125 to 200 A	2	— — — 1 1	LADN11P
	4	— — — 2 2	LADN22P

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

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

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: LADN11 becomes LADN116.

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 figure 3 to the end of the references selected above. Example: LADN11 becomes LADN113.

Maximum number of auxiliary contacts that can be fitted:

Contactors		Instantaneous auxiliary contacts					Time delay
Type	Number of poles and size	Side mounted	Front mounted				
			1 contact	2 contacts	4 contacts	1 block	
AC	3P LC1D09...D38	1 on LH or 1 on RH side ⁽³⁾ and	—	1	or 1	or 1	
		LC1D40A...D80A	—	1	or 1	or 1	
		LC1D80 and D95 (50/60 Hz)	1 on each side or	2 and	1	or 1	or 1
		LC1D80 and D95 (50 or 60 Hz)	1 on each side and	2 and	1	or 1	or 1
		LC1D115A and D150A	1 on each side and	—	1	or 1	or 1
	4P LC1DT20...DT40	1 on LH or 1 on RH side and	—	1	or 1	or 1	
		LC1DT60A and DT80A	1 on LH or 1 on RH side and	—	1	or 1	or 1
		LC1D40008, D65008 and D80	1 on each side or	1 or	1	or 1	or 1
		LC1DT200A	1 on each side and	—	1	or 1	or 1
		1 on LH or 1 on RH side and	—	1	or 1	or 1	
DC	3P LC1D09...D38	—	—	1	or 1	or 1	
		LC1D40A...D80A	—	1	or 1	or 1	
		LC1D80 and D95	—	1 or	1	or 1	or 1
	4P LC1DT20...DT40	—	—	1	or 1	or 1	
		LC1DT60A and DT80A	—	1	or 1	or 1	
		LC1D40008, D65008 and D80	—	2 and	1	or 1	or 1
	3P LC1D09...D38	—	—	1	—	—	
		4P LC1DT20...DT40	—	—	1	—	

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

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

⁽³⁾ 1 on LH side for AC coils - 1 on RH side for AC/DC coils.

⁽⁴⁾ LC: low consumption.

⁽⁵⁾ LA1D●●● dust & damp proof auxiliary contact blocks not allowed.

⁽⁶⁾ Available only with screw clamp terminals and can be used on contactors with standard power consumption.



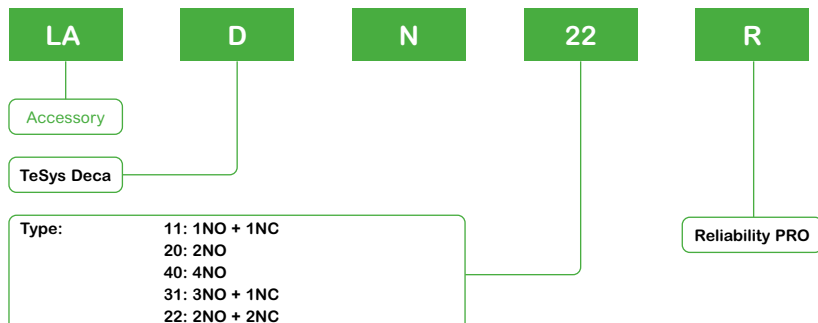
Characteristics:
p. B8/88 to B8/95

Dimensions:
p. B8/103 to B8/105

Schemes:
p. B8/114 to B8/115

TeSys Deca auxiliary contact blocks for use in harsh industrial environment

Product references:
coding principle



Note: There are differences in NO/NC position between LADN●●R and LADN●●. Please refer to page B8/111 for wiring diagram details. This auxiliary module only supports the installation on contactors with standard power consumption.

Product core values

Dustproof, Ultra-fine grain silver contacts, Improved Reliability, 17 V/1 mA

New upgrade, with innovative design



20% stability increased on contacts
Ensure contact reliability between mobile and static contacts



Fully sealed design benefits on reduced dust access
Comprehensive blocking of dust and external pollution

5X granularity refinement on silver alloy
Innovative binary alloy refinement process ensures precise conduction for each operation

10⁻⁸ level on reliability
Capacity 17 V/1 mA



Target industries and applications

- For elevator, textile machinery and other harsh industrial applications
- For low voltage and low current high sensitive applications

Contactors

Product variants:



LADN11R



LADN20R



LADN22R



LADN31R



LADN40R

Guideline for product upgrading

Existing products	
LADN●● Standard applications 17 V/5 mA	
Product type	Product description
LADN11	Auxiliary module 1NO+1NC, screw terminals
LADN20	Auxiliary module 2NO, screw terminals
LADN22	Auxiliary module 2NO + 2NC, screw terminals
LADN31	Auxiliary module 3NO + 1NC, screw terminals
LADN40	Auxiliary module 4NO, screw terminals



New products	
LADN●●R for harsh environment 17 V/1 mA	
Product type	Product description
LADN11R	Auxiliary module 1NO + 1NC, screw terminals
LADN20R	Auxiliary module 2NO, screw terminals
LADN22R	Auxiliary module 2NO + 2NC, screw terminals
LADN31R	Auxiliary module 3NO + 1NC, screw terminals
LADN40R	Auxiliary module 4NO, screw terminals