

LADT2

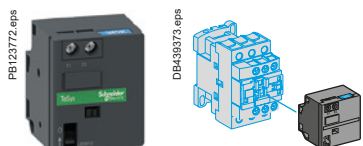
Time delay auxiliary contact blocks for connection by screw clamp terminals ⁽¹⁾

Number and type of contacts	Maximum number per relay Front mounting	Time delay		Reference
		Type	Range	
1 N/C and 1 N/O	1	On-delay	0.3...3 s ⁽²⁾	LADT0
			1...30 s	LADT2
			10...180 s	LADT4
			1...30 s ⁽³⁾	LADS2
		Off-delay	0.3...3 s ⁽²⁾	LADR0
			1...30 s	LADR2
			10...180 s	LADR4

(Sealing cover: see page B8/42)

Time delay auxiliary contact blocks for connection by spring terminals

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



LAD6K10M

Mechanical latch blocks ⁽⁴⁾

Unlatching control	Maximum number per relay Front mounting	Basic reference to be completed ⁽⁵⁾
Manual or electric	1	LAD6K10●

Suppressor modules

These modules clip onto the top of the control relay and the electrical connection is instantly made. Fitting of an input module is still possible.

RC circuits (Resistor-Capacitor)

- Effective protection for circuits highly sensitive to "high frequency" interference.
- Voltage limited to 3 Uc maximum and oscillating frequency limited to 400 Hz maximum.
- Slight time delay on drop-out (1.2 to 2 times the normal time).

For mounting on	Operational voltage	Reference
CAD ~	~ 24...48 V	LAD4RCE
	~ 50...127 V	LAD4RCG
	~ 110...250 V	LAD4RCU

Varistors (peak limiting)

- Protection provided by limiting the transient voltage value to 2Uc maximum.
- Maximum reduction of transient voltage peaks.
- Slight time delay on drop-out (1.1 to 1.5 times the normal time).

CAD ~	~ 24...48 V	LAD4VE
	~ 50...127 V	LAD4VG
	~ 110...250 V	LAD4VU

Freewheel diode

- No overvoltage or oscillating frequency.
- Increase in drop-out time (6 to 10 times the normal time).
- Polarised component.

CAD ---	--- 5...600 V	LAD4DDL ⁽⁶⁾
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Bidirectional peak limiting diode ⁽⁷⁾

- Protection provided by limiting the transient overvoltage value to 2Uc maximum.
- Maximum reduction of transient voltage peaks.

CAD ~	~ 24 V	LAD4TB
	~ 72 V	LAD4TS
CAD ---	--- 24 V	LAD4TBDL
	--- 72 V	LAD4TSDL
	--- 125 V	LAD4TGD
	--- 250 V	LAD4TUDL

⁽¹⁾ These contact blocks cannot be used on low consumption control relays.

⁽²⁾ With extended scale from 0.1 to 0.6 s.

⁽³⁾ With switching time of 40 ms ±15 ms between opening of the N/C contact and closing of the N/O contact.

⁽⁴⁾ Power should not be simultaneously applied or maintained to the mechanical latching block of the CADN. The duration of the control signal to the mechanical latching block and the CADN should be ≥ 100 ms.

⁽⁵⁾ Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

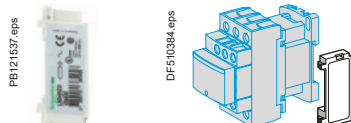
Volts ~ and ---	24	32/36	42/48	60/72	100	110/127	220/240	256/277	380/415
Code	B	C	E	EN	K	F	M	U	Q

⁽⁶⁾ Not compatible with low consumption control relays.

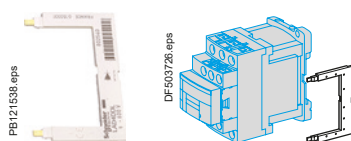
⁽⁷⁾ CAD●● --- and low consumption control relays are fitted with a built-in bi-directional peak limiting diode suppressor as standard. On control relays produced after 15th July 2004, this diode is removable. It can therefore be replaced by the user (see references LAD4T●●● above). It can also be replaced by a freewheel diode LAD4DDL.



Control
relays



LAD4RCU



LAD4DDL