



CAD32

TeSys™ D IEC Style Instantaneous Control Relays

These 600 V relays are approved for use around the world. TeSys D relays are usually mounted on 35 mm DIN track, but can also be mounted directly to a panel. The contacts have NEMA A600 and Q600 ratings, in addition to the standard IEC ratings, making them suitable for use in most any control circuit. Low consumption versions are available for use with low level DC control signals from a computer or a PLC. Adder decks can be added to a basic five pole relay to make it up to an 11 pole relay. The serrated silver-nickel contacts with wiping action provide excellent reliability in 12 or 24 V control circuits. Special auxiliary contacts are available for switching low power down to 5 V at 10 mA. Timer and mechanical latch attachments are available.

Table 23.57: Instantaneous Control Relays

Terminal Type	Number of Contacts	Contact Composition		Catalog Number ^[1]
		Normally Open	Normally Closed	
Screw Clamp	5	5	0	CAD50
		3	2	CAD32
Spring Terminal	5	5	0	CAD503
		3	2	CAD323
Ring Tongue	5	5	0	CAD506
		3	2	CAD326

Table 23.58: Coil Voltage Codes:
12–240 Vac, 12–72 Vdc, 5–72 Vdc Low Consumption^[2]

AC 50/60 Hz Coil (for additional voltage code options see page 7 of Catalog 8501CT0101).						
Volts	12	24	48	120	208	240
Code	J7	B7	E7	G7	LE7	U7
DC Coil (coils have built in suppression as standard)						
Volts	12	24	36	48	60	72
Code	JD	BD	CD	ED	ND	SD
DC Low Consumption Coil (coils have built in suppression as standard)						
Volts	5	12	24	48	72	
Code	AL	JL	BL	EL	SL	

Table 23.59: Coil Voltage Codes (cont.):
277–600 Vac, 110–440 Vdc^[2]

AC 50/60 Hz Coil (for additional voltage code options see page 7 of Catalog 8501CT0101).					
Volts	277	480	600		
Code	W7	T7	X7		
DC Coil (coils have built in suppression as standard)					
Volts	110	125	220	250	440
Code	FD	GD	MD	UD	RD

Table 23.60: Instantaneous Auxiliary Contact Blocks (for use in normal operation environments)

Number of Contacts	Maximum Number per Device Clip-on Mounting		Termination Type	Contact Composition		Catalog Number
	Front	Left Side Only		Normally Open	Normally Closed	
2	1	—	Screw Clamp	2	0	LADN20
				1	1	LADN11
			0	2	LADN02	
	Spring Terminal	2	0	LADN203		
		1	1	LADN113		
		0	2	LADN023		
—	1	Not for DC devices	Screw Clamp	2	0	LAD8N20
				1	1	LAD8N11
			0	2	LAD8N02	
			Spring Terminal	4	0	LADN40
				3	1	LADN31
				2	2	LADN22
1	3	LADN13				
4 ^[3]	1	—	Screw Clamp	0	4	LADN04
				4	0	LADN403
				3	1	LADN313
			Spring Terminal	2	2	LADN223
				1	3	LADN133
				0	4	LADN043
4 ^[3]	1	—	Screw Clamp	2 ^[4]	2 ^[4]	LADC22
			Spring Terminal	2 ^[4]	2 ^[4]	LADC223

Table 23.61: Instantaneous Auxiliary Contacts with Dust and Damp Protected Contacts (for use in harsh industrial environments)

Number of Contacts	Maximum Number per Device	Contact Composition					Catalog Number
		Sealed	[5]	Normal			
2	1	2	—	—	—	—	LA1DX20
		—	2	—	—	—	LA1DX02
		2	—	2	—	—	LA1DY20
4 ^[3]	1	2	—	—	2	—	LA1DZ40
		2	—	—	1	1	LA1DZ31

Approvals for TeSys D IEC Style Instantaneous Control Relays



File: E164353
CCN: NKCR

File: LR43364
Class: 3211 03

- For replacement AC coils, see [TeSys™ D and F Overload Relay Accessories, page 18-22](#). DC coils are not replaceable.

[1] Add the proper voltage code from [Table 23.58](#) or [Table 23.59](#) to the end of the catalog number. For example, CAD50B7.
 [2] Add the proper voltage code to the end of catalog number.
 [3] Auxiliary contact blocks with four contacts cannot be used on relays with low consumption coils.
 [4] Includes 1 N.O. and 1 N.C. overlapping contact.
 [5] Grounding terminal points (2 terminals jumpered together; see diagram on page 8 of Catalog 8501CT0101).