

# TeSys control relays

## TeSys D control relays and add-on blocks

Control circuit: a.c., d.c. or low consumption



CAD 50●●



CAD 32●●



CAD 503●●



CAD 323●●

### Control relays for connection by screw clamp terminals

Type	Number of contacts	Composition	Basic reference, to be completed by adding the control voltage code (1)	Standard voltages				Weight kg
				~	⎓	LC (2)		
Instantaneous 5	5	—	CAD 50●● (3)	B7	P7	BD	BL	0.580
	3	2	CAD 32●● (3)	B7	P7	BD	BL	0.580

### Control relays for connection by spring terminals

Instantaneous 5	5	—	CAD 503●●	B7	P7	BD	BL	0.580
	3	2	CAD 323●●	B7	P7	BD	BL	0.580

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

For use in normal operating environments

Number of contacts	Maximum number per relay		Composition	Reference	Weight kg
	Clip-on mounting front	side			
2	1	—	1 1	LAD N11	0.030
	—	1 on LH side	1 1	LAD 8N11 (6)	0.030
	1	—	2 —	LAD N20	0.030
	—	1 on LH side	2 —	LAD 8N20 (6)	0.030
	1	—	— 2	LAD N02	0.030
	—	1 on LH side	— 2	LAD 8N02 (6)	0.030
4 (4)	1	—	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 (4)	1	—	2 2	LAD C22	0.050

Including 1 N/O and 1 N/C make before break.

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

Number of contacts	Maximum number per relay	Composition	Reference	Weight kg
2	1	2 — — (5)	LA1 DX20	0.040
		— 2 —	LA1 DX02	0.040
		2 — 2	LA1 DY20	0.040
4 (4)	1	2 — —	LA1 DZ40	0.050
		2 — —	LA1 DZ31	0.050

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

This type of connection is not possible for contact blocks LAD 8 and blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add the digit 3 to the end of the references selected above.  
Example: LAD N11 becomes LAD N113.

(1) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office).

#### a.c. supply

Volts ~	24	42	48	110	115	220	230	240	380	400	415	440
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7

#### d.c. supply (coils with integral suppression device fitted as standard)

Volts ⎓	12	24	36	48	60	72	110	125	220	250	440
U from 0.7 to 1.25 U <sub>c</sub> JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD	

#### Low consumption (coils with integral suppression device fitted as standard)

Volts ⎓	5	12	20	24	48	110	220	250
Code	AL	JL	ZL	BL	EL	FL	ML	UL

(2) LC: low consumption.

(3) To order control relays with connection by lugs, add the digit 6 to the end of the selected reference.

Example: CAD50●● becomes CAD506●●.

(4) Blocks with 4 auxiliary contacts cannot be used on low consumption control relays.

(5) Product fitted with 4 earth screen continuity terminals.

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

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