TeSys control relays

TeSys D control relays and add-on blocks

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



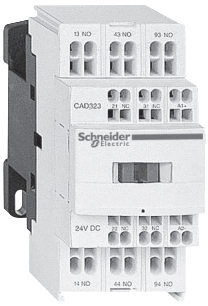
CAD 50●●



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 ~		⎓	LC *(2)*	Weight kg
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, Clip-on mounting: front	Maximum number per relay, Clip-on mounting: side	Composition		Reference	Weight kg
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, Front mounting	Composition protected *(5)*					Reference	Weight kg
2	1	2	–	–	–	–	**LA1 DX20**	0.040
		–	2	–	–	–	**LA1 DX02**	0.040
		2	–	2	–	–	**LA1 DY20**	0.040
4 *(4)*	1	2	–	–	2	–	**LA1 DZ40**	0.050
		2	–	–	1	1	**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 Uc	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.

Characteristics : pages 7/16 and 7/17
Dimensions : page 7/24
Schemes : page 7/25