

TeSys contactors

For control in category AC-1, 25 to 200 A

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



LC1 D12●●

3-pole contactors for connection by screw clamp terminals or connectors

Non inductive loads maximum current ($\theta \leq 60^\circ\text{C}$) utilisation category AC-1	Number of poles	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code (1) Fixing (2)	Weight (3)
A					kg
25	3	1	1	LC1 D09●● or LC1 D12●●	0.320 0.325
32	3	1	1	LC1 D18●●	0.330
40	3	1	1	LC1 D25●●	0.370
50	3	1	1	LC1 D32●● or LC1 D38●●	0.375 0.380
60	3	1	1	LC1 D40●●	1.400
80	3	1	1	LC1 D50●● or LC1 D65●● (4)	1.400 1.400
125	3	1	1	LC1 D80●● or LC1 D95●● (4)	1.590 1.610
200	3	1	1	LC1 D115●● or LC1 D150●● (5)	2.500 2.500

3-pole contactors for connection by lugs or bars

In the references selected above, insert a figure 6 before the voltage code.

Example: LC1 D09●● becomes LC1 D096●●.

3-pole contactors for connection by Faston connectors

These contactors are fitted with Faston connectors: 2 x 6.35 mm on the power poles and 1 x 6.35 mm on the coil terminals. It is possible to make 2 x 6.35 mm connections to the coil terminals by using a double Faston connector, reference: LAD 99635, to be ordered separately (sold in lots of 100).

For contactors LC1 D09 and LC1 D12 only, in the references selected above, insert a figure 9 before the voltage code.

Example: LC1 D09●● becomes LC1 D099●●.



LC1 D123●●

3-pole contactors for connection by spring terminals

16	3	1	1	LC1 D093●● (6) or LC1 D123●● (6)	0.320 0.325
25	3	1	1	LC1 D183●● (5) or LC1 D253●● (7) or LC1 D323●● (7)	0.335 0.325 0.325

Accessories

Auxiliary contact blocks and add-on modules: see pages 24511/2 to 24511/9.

(1) See note (1) page 24502/3.

(2) LC1 D09 to D38 and LC1 DT20 to DT40: clip-on mounting on 35 mm rail AM1 DP or screw fixing.

LC1 D40 to D95 : clip-on mounting on 35 mm rail AM1 DP or 75 mm rail AM1 DL or screw fixing.

LC1 or LP1 D40 to D95 : clip-on mounting on 75 mm rail AM1 DL or screw fixing.

LC1 D115 and D150: clip-on mounting on 2 x 35 mm rails AM1 DP or screw fixing.

(3) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg for contactors LC1 D09 to D38, 0.785 kg for contactors LC1 D40 to D65 and 1 kg for contactors LC1 D80 and D95.

(4) Selection according to the number of operating cycles, see AC-1 curve, page 24561/2.

(5) 32 A with 2 x 4 mm² cables connected in parallel.(6) 20 A with 2 x 2.5 mm² cables connected in parallel.(7) 40 A with 2 x 4 mm² cables connected in parallel.

TeSys contactors

For control in category AC-1, 20 to 200 A

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



LC1 DT20

4-pole contactors for connection by screw clamp terminals or connectors

Non inductive loads maximum current ($\theta \leq 60\text{ }^{\circ}\text{C}$) utilisation category AC-1	Number of poles		Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code (1) Fixing (2)	Weight (3)
						
A						kg
20	4	—	1	1	LC1 DT20●●	0.365
	2	2	1	1	LC1 D098●●	0.365
25	4	—	1	1	LC1 DT25●●	0.365
	2	2	1	1	LC1 D128●●	0.365
32	4	—	1	1	LC1 DT32●●	0.425
	2	2	1	1	LC1 D188●●	0.425
40	4	—	1	1	LC1 DT40●●	0.425
	2	2	1	1	LC1 D258●●	0.425
60	4	—	—	—	LC1 D40004●●	1.440
					or LP1 D40004●●	2.210
	2	2	—	—	LC1 D40008●●	1.440
					or LP1 D40008●●	2.210
80	4	—	—	—	LC1 D65004●●	1.440
					or LP1 D65004●●	2.210
	2	2	—	—	LC1 D65008●●	1.450
					or LP1 D65008●●	2.220
125	4	—	—	—	LC1 D80004●●	1.760
					or LP1 D80004●●	2.685
	2	2	—	—	LC1 D80008●●	1.840
					or LP1 D80008●●	2.910
200	4	—	—	—	LC1 D115004●●	2.860

4-pole contactors for connection by lugs or bars

In the references selected above, insert a figure 6 before the voltage code (except LC1 D65 and LP1 D65).
Example: LC1 DT20 becomes LC1 DT0620.

4-pole contactors for connection by spring terminals

20	4 — 1 1	LC1 DT203	0.380
	2 2 1 1	LC1 D0983	0.380
25	4 — 1 1	LC1 DT253	0.380
	2 2 1 1	LC1 D1283	0.380
32	4 — 1 1	LC1 DT323	0.425
	2 2 1 1	LC1 D1883	0.425
40	4 — 1 1	LC1 DT403	0.425
	2 2 1 1	LC1 D2583	0.425

Accessories

Auxiliary contact blocks and add-on modules: see pages 24511/2 to 24511/9.

(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	500
LC1 D09...D150 and LC1 DT20...DT40 (coils with integral suppression device fitted as standard)													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	—
LC1 D40...D115													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	—	E6	F6	—	M6	—	U6	Q6	—	—	R6	—

d.c. supply

Volts	12	24	36	48	60	72	110	125	220	250	440
LC1 D09...D38 and LC1 DT20...DT40 (coils with integral suppression device fitted as standard)											
U 0.7...1.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
LC1 or LP1 D40...D80											
U 0.85...1.1 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
U 0.75...1.2 Uc	JW	BW	CW	EW	—	SW	FW	—	MW	—	—
LC1 D115 (coils with integral suppression device fitted as standard)											
U 0.75...1.2 Uc	—	BD	—	ED	ND	SD	FD	GD	MD	UD	RD

Low consumption

Volts	5	12	20	24	48	110	220	250
LC1 D09...D38 and LC1 DT20...DT40 (coils with integral suppression device fitted as standard)								
U 0.7...1.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL

For other voltages between 5 and 690 V, see pages 24507/2 to 24507/7.

(2) See note (2) page 24502/2

(3) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.165 kg and for contactors LC1 D80, 1 kg.