

TeSys Control

Deca Contactors

Product references



Characteristics:
p. B8/88 to B8/95

Dimensions:
p. B8/107 to B8/106

Schemes:
p. B8/111 to B8/112



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PB12/17/14, fr



LC1DT20●●

PB12565 eps



LC1DT80A●●

PB12376 eps



LC1D65008●●

4-pole contactors - Load control, 20 to 125 A in category AC-1

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 control voltage code ⁽¹⁾ Fixing ⁽²⁾	Weight ⁽³⁾

A kg

Connection by screw clamp terminals

20	4	—	1	1	LC1DT20●●	0.365
	2	2	1	1	LC1D098●●	0.365
25	4	—	1	1	LC1DT25●●	0.365
	2	2	1	1	LC1D128●●	0.365
32	4	—	1	1	LC1DT32●●	0.425
	2	2	1	1	LC1D188●●	0.425
40	4	—	1	1	LC1DT40●●	0.425
	2	2	1	1	LC1D258●●	0.425

Connection by EverLink®, BTR screw connectors

60	4	—	1	1	LC1DT60A●●	1.090
80	4	—	1	1	LC1DT80A●●	1.150

Connection by screw clamp terminals or connectors

60	2	2	—	—	LC1D40008●● or LP1D40008●●	1.440 2.210
80	2	2	—	—	LC1D65008●● or LP1D65008●●	1.450 2.220
125	4	—	—	—	LC1D80004●● or LP1D80004●●	1.760 2.685
	2	2	—	—	LC1D80008●● or LP1D80008●●	1.840 2.910

4-pole contactors for connection by lugs or bars

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

Example: LC1DT20●● becomes LC1DT206●●.

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

AC supply

Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09...D95 and LC1DT20...DT80A													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	—
LC1D80...D95													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	—	E6	F6	—	M6	—	U6	Q6	—	—	R6	—

DC supply

Volts	12	24	36	48	60	72	110	125	220	250	440
LC1D09...D25 and LC1DT20...DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)											
U 0.75...1.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
LC1DT60A...DT80A (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)											
U 0.75...1.25 Uc	JD	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	RD
LP1D40...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	—	—

Low consumption

Volts DC	5	12	20	24	48	110	220	250
LC1D09...D25 and LC1DT20...DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)								
U 0.8...1.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL

For other voltages between 5 and 690 V, see pages B8/55 to B8/57.

(1) Please check the availability of your variant in the index page B8/63. The SEARCH function of your viewer can be used.

(2) LC1D09 to D38 and LC1DT20 to DT80A: clip-on mounting on 35 mm rail NSYSR or screw fixing.

LC1D80 ~: clip-on mounting on 35 mm rail NSYSR or 75 mm rail AM1DL or screw fixing.

LC1 or LP1D80 ~: clip-on mounting on 75 mm rail AM1DL or screw fixing.

(3) The weights indicated are for contactors with AC control circuit. For DC or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg from LC1DT60A and D80A and 1 kg for LC1D80.

(4) For these coil voltages, choose from Deca Advanced contactors. Same product ref. radical, just add BBE coil voltage code for 24 V DC, BNE for 24-60 V AC/DC, EHE for 48-130 V AC/DC, KUE for 100-250 V AC/DC. Example: LC1DT60ABBE.

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LC1DT253●●



LC1DT80A3●●

4-pole contactors - Load control, 20 to 80 A in category AC-1

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
Connection by spring terminals					
20	4	—	1	1	LC1DT203●● 0.380
	2	2	1	1	LC1D0983●● 0.380
25	4	—	1	1	LC1DT253●● 0.380
	2	2	1	1	LC1D1283●● 0.380
32	4	—	1	1	LC1DT323●● 0.425
	2	2	1	1	LC1D1883●● 0.425
40	4	—	1	1	LC1DT403●● 0.425
	2	2	1	1	LC1D2583●● 0.425

Connection by EverLink®, BTR screw connectors and control circuit by spring terminals

60	4	—	1	1	LC1DT60A3●● 1.090
80	4	—	1	1	LC1DT80A3●● 1.150

Separate components

Auxiliary contact blocks and add-on modules: see pages B8/43 to B8/51.

Standard control circuit voltages

(for other voltages, please consult your Regional Sales Office)

AC supply

Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
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LC1D09...D25 and LC1DT20...DT80A (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)

50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	—
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DC supply

Volts	12	24	36	48	60	72	110	125	220	250	440
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LC1D09...D25 and LC1DT20...DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)

U 0.7...1.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
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LC1DT60A...80A (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)

U 0.75...1.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
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Low consumption

Volts DC	5	12	20	24	48	110	220	250
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LC1D09...D25 and LC1DT20...DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)

U 0.8...1.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL
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For other voltages between 5 and 690 V, see pages B8/55 to B8/57.

⁽¹⁾ Please check the availability of your variant in the index page B8/63. The SEARCH function of your viewer can be used.

⁽²⁾ LC1D09 to D38 and LC1DT20 to DT80A: clip-on mounting on 35 mm U_L rail NSYSR or screw fixing.

⁽³⁾ The weights indicated are for contactors with AC control circuit. For DC or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg for LC1DT60A and DT80A.