

# TeSys contactors

## TeSys D, 3-pole contactors

for control in category AC-1, from 25 to 200 A

526230



LC1 D09●●

526231



LC1 D65A●●

### 3-pole contactors

Non inductive loads maximum current ( $\theta \leq 60^\circ\text{C}$ ) utilisation category AC-1	Number of poles	Instan- taneous auxiliary contacts	Basic reference, to be completed by adding the control voltage code (1)	Weight (3)
			Fixing (2)	

A kg

#### Connection by screw clamp terminals

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

#### Connection by EverLink®, BTR screw connectors (4)

60	3	1	1	LC1 D40A●● (7)	0.850
80	3	1	1	LC1 D50A●● (7) or LC1 D65A●● (5) (7)	0.855 0.860

#### Connection by screw clamp terminals or connectors

125	3	1	1	LC1 D80●● or LC1 D95●● (5)	1.590 1.610
200	3	1	1	LC1 D115●● or LC1 D150●● (6)	2.500 2.500

### 3-pole contactors for connection by lugs

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

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

(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 (coils D115 and D150 fitted with integral suppression device as standard)													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	-
LC1 D80...D150													
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...D65A (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 D80 and D95											
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 and D150 (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 (coils with integral suppression device fitted as standard)								
U 0.8...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) LC1 D09 to D65A: clip-on mounting on 35 mm rail AM1 DP or screw fixing.

LC1 D80 and D95: clip-on mounting on 35 mm rail AM1 DP or 75 mm rail AM1 DL or screw fixing.

LC1 or LP1 D80 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 from LC1 D09 to D38, 0.075 kg from LC1 D40A to D65A and 1 kg for LC1 D80 and D95.

(4) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LAD ALLEN4, see page 24511/9).

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

(6) 32 A with 2 x 4 mm<sup>2</sup> cables connected in parallel.

(7) For low consumption kit LA4 DBL (see page 24511/7).

# TeSys contactors

## TeSys D, 3-pole contactors

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



LC1 D123●●



LC1 D65A3●●

### 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. For contactors LC1 D09 and LC1 D12 only, in the references selected from the previous page, insert a figure 9 before the voltage code. Example: **LC1 D09●●** becomes **LC1 D099●●**.

### 3-pole contactors

Non inductive loads maximum current (θ ≤ 60 °C) utilisation category AC-1	Number of poles	Instan-taneous auxiliary contacts		Basic reference, to be completed by adding the control voltage code (1) Fixing (2)	Weight (3)
<b>A</b>					<b>kg</b>
<b>Connection by spring terminals</b>					
16	3	1	1	<b>LC1 D093●●</b> (4) or <b>LC1 D123●●</b> (4)	0.320 0.325
25	3	1	1	<b>LC1 D183●●</b> (5) or <b>LC1 D253●●</b> (6) or <b>LC1 D323●●</b> (6)	0.335 0.325 0.325
<b>Power connections by EverLink® BTR screw connectors (7) and control by spring terminals</b>					
60	3	1	1	<b>LC1 D40A3●●</b> (9)	0.850
80	3	1	1	<b>LC1 D50A3●●</b> (8) (9) or <b>LC1 D65A3●●</b> (8) (9)	0.855 0.860

### Separate components

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	
<b>LC1 D09...D65A</b>														
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7	
d.c. supply														
Volts	12	24	36	48	60	72	110	125	220	250	440			
<b>LC1 D09...D65A</b> (coils with integral suppression device fitted as standard)														
U 0.75...1.25 U <sub>c</sub>	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD			
Low consumption														
Volts	5	12	20	24	48	110	220	250						
<b>LC1 D09...D38</b> (coils with integral suppression device fitted as standard)														
U 0.8...1.25 U <sub>c</sub>	AL	JL	ZL	BL	EL	FL	ML	UL						

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

(2) **LC1 D09** to **D65A**: clip-on mounting on 35 mm rail **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 from **LC1 D09** to **D38** and 0.075 kg from **LC1 D40A** to **D65A**.

(4) 20 A with 2 x 2.5 mm<sup>2</sup> cables connected in parallel.

(5) 32 A with 2 x 4 mm<sup>2</sup> cables connected in parallel.

(6) 40 A with 2 x 4 mm<sup>2</sup> cables connected in parallel.

(7) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LAD ALLEN4**, see page 24511/9).

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

(9) For low consumption kit **LA4 DBL** (see page 24511/7).

# TeSys contactors

## TeSys D, 4-pole contactors

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

538227



LC1 DT20●●

538228



LC1 DT80A●●

538229



LC1 D65008●●

### 4-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 control voltage code (1)	Weight (3)
			Fixing (2)	

A					kg
<b>Connection by screw clamp terminals</b>					
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

<b>Connection by EverLink®, BTR screw connectors</b>					
60	4	–	1	1	LC1 DT60A●● 1.090
80	4	–	1	1	LC1 DT80A●● 1.150

<b>Connection by screw clamp terminals or connectors</b>					
60	2	2	–	–	LC1 D40008●● 1.440 or LP1 D40008●● 2.210
80	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.

Example: LC1 DT20●● becomes LC1 DT206●●.

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

<b>a.c. supply</b>													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
<b>LC1 D09...D150 and LC1 DT20...DT80A</b> (coils D115 and D150 fitted with integral suppression device as standard)													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	–
<b>LC1 D80...D115</b>													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	–	E6	F6	–	M6	–	U6	Q6	–	–	R6	–
<b>d.c. supply</b>													
Volts	12	24	36	48	60	72	110	125	220	250	440		
<b>LC1 D09...D65A and LC1 DT20...DT80A</b> (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		
<b>LC1 or LP1 D80</b>													
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	–	–		
<b>LC1 D115</b> (coils with integral suppression device fitted as standard)													
U 0.75...1.2 Uc	–	BD	–	ED	ND	SD	FD	GD	MD	UD	RD		
<b>Low consumption</b>													
Volts	5	12	20	24	48	110	220	250					
<b>LC1 D09...D38 and LC1 DT20...DT40</b> (coils with integral suppression device fitted as standard)													
U 0.8...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) LC1 D09 to D38 and LC1 DT20 to DT80A: clip-on mounting on 35 mm rail AM1 DP or screw fixing.

LC1 D80: clip-on mounting on 35 mm rail AM1 DP or 75 mm rail AM1 DL or screw fixing.

LC1 or LP1 D80: 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 from LC1 D09 to D38, 0.075 kg from LC1 DT60A and D80A and 1 kg for LC1 D80.

# TeSys contactors

## TeSys D, 4-pole contactors

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

4-pole contactors					
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)	Weight (3)
				Fixing (2)	
<b>A</b>					<b>kg</b>
<b>Connection by spring terminals</b>					
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
<b>Connection by by EverLink®, BTR screw connectors and control circuit by spring terminals</b>					
60	4	–	1	1	LC1 DT60A3●● 1.090
80	4	–	1	1	LC1 DT80A3●● 1.150

### Separate components

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...D25 and LC1 DT20...DT80A (coils with integral suppression device fitted as standard)													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	–
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1 D09...D25 and LC1 DT20...DT80A (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		
Low consumption													
Volts $\overline{\text{---}}$	5	12	20	24	48	110	220	250					
LC1 D09...D25 and LC1 DT20...DT40 (coils with integral suppression device fitted as standard)													
U 0.8...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) LC1 D09 to D38 and LC1 DT20 to DT80A: clip-on mounting on 35 mm  $\perp$  rail AM1DP 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 from LC1 D09 to D38, 0.075 kg for LC1 DT60A and DT80A.