

Contactor type	LC1	D09...D18 DT20 and DT25	D25...D38 DT32 and DT40	D40	D50...D95	D115 and D150
Environment						
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1, overvoltage category III, degree of pollution: 3	V	690	1000		
	Conforming to UL, CSA	V	600			
Rated impulse withstand voltage (Uimp)	Conforming to IEC 60947	kV	6	8		
Conforming to standards			IEC 60947-1, 60947-4-1, NFC 63-110, VDE 0660, BS 5424, JEM 1038. EN 60947-1, EN 60947-4-1. GL, DNV, PTB, RINA pending			
Product certifications			UL, CSA Complies with SNCF, Sichere Trennung recommendations			
Separation insulation	Conforming to VDE 0106 part 101 and A1 (draft 2/89)	V	400			
Degree of protection (1) (front face only)	Conforming to VDE 0106					
	Power connection		Protection against direct finger contact IP 2X			
	Coil connection		Protection against direct finger contact IP 2X			
Protective treatment	Conforming to IEC 60068		"TH"			
Ambient air temperature around the device	Storage	°C	- 60...+ 80			
	Operation	°C	- 5...+ 60			
	Permissible	°C	- 40...+ 70, for operation at Uc			
Maximum operating altitude	Without derating	m	3000			
Operating positions (2)	Without derating in the following positions					
	Positions that are not permissible		For contactors LC1 D09 to D38 			
Flame resistance	Conforming to UL 94		V1			
	Conforming to IEC 60695-2-1	°C	960			
Shock resistance (3) 1/2 sine wave = 11 ms	Contactor open		10 gn	8 gn	8 gn	8 gn
	Contactor closed		15 gn	15 gn	10 gn	10 gn
Vibration resistance (3) 5...300 Hz	Contactor open		2 gn			
	Contactor closed		4 gn	4 gn	4 gn	3 gn

(1) Protection provided for the cabling c.s.a.'s indicated on the next page and for connection by cable.

(2) For other operating positions, please consult your Regional Sales Office.

(3) Without change of contact states, in the most unfavourable direction (coil energised at Ue).

Contactor type	LC1	D09 and D12 DT20 and DT25	D18 (3P)	D25 (3P)	D32	D38	D18 and D25 (4P) DT32 and DT40	D40	D50 and D65	D80 and D95	D115 and D150
Power circuit connections											
Connection by cable											
Tightening torque			Screw clamp terminals				Connector 2 inputs	Screw clamp terminals	Connector 1 input		Connector 2 inputs
Flexible cable without cable end	1 conductor	mm ²	1...4	1.5...6	1.5...10	2.5...10	2.5...10	2.5...25	2.5...25	4...50	10...120
	2 conductors	mm ²	1...4	1.5...6	1.5...6	2.5...10	2.5...10	2.5...16	2.5...16	4...25	10...120 + 10...50
Flexible cable with cable end	1 conductor	mm ²	1...4	1...6	1...6	1...10	2.5...10	2.5...25	2.5...25	4...50	10...120
	2 conductors	mm ²	1...2.5	1...4	1...4	1.5...6	2.5...10	2.5...10	2.5...10	4...16	10...120 + 10...50
Solid cable without cable end	1 conductor	mm ²	1...4	1.5...6	1.5...6	1.5...10	2.5...16	2.5...25	2.5...25	4...50	10...120
	2 conductors	mm ²	1...4	1.5...6	1.5...6	2.5...10	2.5...16	2.5...16	2.5...16	4...25	10...120 + 10...50
Screwdriver	Philips		N° 2	N° 2	N° 2	N° 2	N° 2	–	–	–	–
	Flat screwdriver Ø		Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6...Ø 8	Ø 6...Ø 8	Ø 6...Ø 8	–
Key for hexagonal headed screw			–	–	–	–	–	–	–	4	4
Tightening torque		N.m	1.7	1.7	2.5	2.5	1.8	5	5	9	12
Spring terminal connections (1)											
Flexible cable without cable end	1 conductor	mm ²	2.5 (4: DT25)	4	4	4	–	10	–	–	–
	2 conductors	mm ²	2.5 (except DT25)	4	4	4	–	–	–	–	–
Connection by bars or lugs											
Bar cross-section		mm	–	–	–	–	–	–	–	3 x 16	5 x 25
Lug external Ø		mm	8	8	10	10	8 (2)	13	16	17	25
Ø of screw		mm	M3.5	M3.5	M4	M4	M3.5	M5	M6	M6	M8
Screwdriver	Philips		N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 3	–	–
	Flat screwdriver Ø		Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 8	Ø 8	Ø 8	–
Key for hexagonal headed screw			–	–	–	–	–	–	–	10	13
Tightening torque		N.m	1.7	1.7	2.5	2.5	1.8	5	5	9	12
Control circuit connections											
Connection via cable (tightening via screw clamps)											
Flexible cable without cable end	1 conductor	mm ²	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...2.5
	2 conductors	mm ²	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...2.5
Flexible cable with cable end	1 conductor	mm ²	1...4	1...4	1...4	1...4	1...4	1...2.5	1...2.5	1...2.5	1...2.5
	2 conductors	mm ²	1...2.5	1...2.5	1...2.5	1...2.5	1...2.5	1...2.5	1...2.5	1...2.5	1...2.5
Solid cable without cable end	1 conductor	mm ²	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...2.5
	2 conductors	mm ²	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...4	1...2.5
Screwdriver	Philips		N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2
	Flat screwdriver Ø		Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6
Tightening torque		N.m	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2
Spring terminal connections (1)											
Flexible cable without cable end	1 conductor	mm ²	2.5	2.5	2.5	2.5	–	2.5	–	–	–
	2 conductors	mm ²	2.5	2.5	2.5	2.5	–	2.5	–	–	–
Connection by bars or lugs											
Lug external Ø		mm	8	8	8	8	8	8	8	8	8
Ø of screw		mm	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
Screwdriver	Philips		N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2	N° 2
	Flat screwdriver Ø		Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6	Ø 6
Tightening torque		N.m	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2

(1) If cable ends are used, choose the next size down (example: for 2.5 mm², use 1.5 mm²) and square crimp the cable ends using a special tool.

(2) To connect cables with a c.s.a. > 4mm² and up to 10 mm², it is essential to use special connectors, sold in bags of 100 (reference: LAD 96180).

Contactor type	LC1	D09 (3P)	DT20 D098	D12 (3P)	DT25 D128	D18 (3P)	DT32 D188	D25 (3P)	DT40 D258	
Pole characteristics										
Rated operational current (Ie) (Ue ≤ 440 V)	In AC-3, θ ≤ 60 °C	A	9	12	18	25				
	In AC-1, θ ≤ 60 °C	A	25 (1)	20	25 (1)	25	32 (1)	32	40 (1)	40
Rated operational voltage (Ue)	Up to	V	690	690	690	690	690	690		
Frequency limits	Of the operating current	Hz	25...400	25...400	25...400	25...400	25...400	25...400		
Conventional thermal current (Ith)	θ ≤ 60 °C	A	25 (1)	20	25 (1)	25	32 (1)	32	40 (1)	40
Rated making capacity (440 V)	Conforming to IEC 60947		250	250	300	300	450	450		
Rated breaking capacity (440 V)	Conforming to IEC 60947		250	250	300	300	450	450		
Permissible short time rating No current flowing for preceding 15 minutes with θ ≤ 40 °C	For 1 s	A	210	210	240	240	380	380		
	For 10 s	A	105	105	145	145	240	240		
	For 1 min	A	61	61	84	84	120	120		
	For 10 min	A	30	30	40	40	50	50		
Protection by fuses against short-circuits (U ≤ 690 V)	Without thermal overload relay, gG fuse	type 1	A	25	40	50	63	63		
		type 2	A	20	25	35	40	40		
	With thermal overload relay	A	See pages 24514/2 and 24514/3, for aM or gG fuse ratings corresponding to the associated thermal overload relay							
Average impedance per pole	At Ith and 50 Hz	mΩ	2.5	2.5	2.5	2.5	2	2		
Power dissipation per pole for the above operational currents	AC-3	W	0.20	0.36	0.8	0.8	1.25	1.25		
	AC-1	W	1.56	1.56	2.5	2.5	3.2	3.2		
Control circuit characteristics, a.c. supply										
Rated control circuit voltage (Uc)	50/60 Hz	V	12...690							
Control voltage limits	50 or 60 Hz coils	Operational	-							
		Drop-out	-							
	50/60 Hz coils	Operational	0.8...1.1 Uc on 50 Hz and 0.85...1.1 Uc on 60 Hz at 60 °C							
		Drop-out	0.3...0.6 Uc at 60 °C							
Average consumption at 20 °C and at Uc	~ 50 Hz	Inrush	50 Hz coil	VA	-					
			50/60 Hz coil	VA	0.75					
		Sealed	50 Hz coil	VA	-					
			50/60 Hz coil	VA	0.3					
		~ 60 Hz	Inrush	60 Hz coil	VA	-				
				50/60 Hz coil	VA	0.75				
	Sealed		60 Hz coil	VA	-					
			50/60 Hz coil	VA	7					
	Sealed		60 Hz coil	VA	-					
			50/60 Hz coil	VA	7.5					
	Heat dissipation	50/60 Hz	W	2...3						
	Operating time (2)	Closing "C"	ms	12...22						
Opening "O"		ms	4...19							
Mechanical durability in millions of operating cycles	50 or 60 Hz coil		-							
	50/60 Hz coil on 50 Hz		15							
Maximum operating rate at ambient temperature ≤ 60 °C	In operating cycles per hour		3600							

(1) Versions with spring terminal connections:

16 A for LC1 D093 and LC1 D123 (20 A possible with 2 x 2.5 mm² cables in parallel), 25 A for LC1 D183 to LC1 D323 (32 A possible for LC1 D183 connected with 2 x 4 mm² cables in parallel; 40 A possible for LC1 D253 and LC1 D323 connected with 2 x 4 mm² cables in parallel).

(2) The closing time "C" is measured from the moment the coil supply is switched on to initial contact of the main poles. The opening time "O" is measured from the moment the coil supply is switched off to the moment the main poles separate.

D32	D38	D40	D50	D65	D80	D95	D115	D150	
32	38	40	50	65	80	95	115	150	
50 (1)	50	60	80	80	125	125	200	200	
690	690	1000	1000	1000	1000	1000	1000	1000	
25...400	25...400	25...400	25...400	25...400	25...400	25...400	25...400	25...400	
50	50	60	80	80	125	125	200	200	
550	550	800	900	1000	1100	1100	1260	1660	
550	550	800	900	1000	1100	1100	1100	1400	
430	430	720	810	900	990	1100	1100	1400	
260	310	320	400	520	640	800	950	1200	
138	150	165	208	260	320	400	550	580	
60	60	72	84	110	135	135	250	250	
63	63	80	100	160	200	200	250	315	
63	63	80	100	125	160	160	200	250	
See pages 24514/2 and 24514/3, for aM or gG fuse ratings corresponding to the associated thermal overload relay									
2	2	1.5	1.5	1	0.8	0.8	0.6	0.6	
2	3	2.4	3.7	4.2	5.1	7.2	7.9	13.5	
5	5	5.4	9.6	6.4	12.5	12.5	24	24	
12...690		24...660					24...500		
-		0.85...1.1 Uc at 55 °C					0.85...1.1 Uc at 55 °C		
-		0.3...0.6 Uc at 55 °C					0.3...0.5 Uc at 55 °C		
0.8...1.1 Uc on 50 Hz and 0.85...1.1 Uc on 60 Hz at 60 °C		0.8...1.1 Uc on 50 Hz and 0.85...1.1 Uc on 60 Hz at 55 °C					0.8...1.15 Uc on 50/60 Hz at 55 °C		
0.3...0.6 Uc at 60 °C		0.3...0.6 Uc at 55 °C					0.3...0.5 Uc at 55 °C		
-		200					300		-
0.75		0.75					0.8		0.9
70		245					280...350		280...350
-		20					22		-
0.3		0.3					0.3		0.9
7		26					2...18		2...18
-		220					300		-
0.75		0.75					0.8		0.9
70		245					280...350		280...350
-		22					22		-
0.3		0.3					0.3		0.9
7.5		26					2...18		2...18
2...3		6...10					3...8		3...4.5
12...22		20...26		20...26		20...35		20...35	
4...19		8...12		8...12		6...20		6...20	
-		16		16		10		10	
15		6		6		4		4	
8		8		8		8		8	
3600		3600		3600		3600		3600	
2400		2400		2400		2400		2400	
1200		1200		1200		1200		1200	

Contactor type			LC1 D09...D38 LC1 DT20...DT40	LC1 or LP1 D40...D65	LC1 or LP1 D80 LC1 D95	LC1 D115 and LC1 D150
d.c. control circuit characteristics						
Rated control circuit voltage (Uc)	===		V	12...440	12...440	24...440
Rated insulation voltage	Conforming to IEC 60947-1		V	690		
	Conforming to UL, CSA		V	600		
Control voltage limits	Operational	Standard coil		0.7...1.25 Uc at 60 °C	0.85...1.1 Uc at 55 °C	0.75...1.2 Uc at 55 °C
		Wide range coil		–	0.75...1.2 Uc at 55 °C	–
	Drop-out			0.1...0.25 Uc at 60 °C	0.1...0.3 Uc at 55 °C	0.15...0.4 Uc at 55 °C
Average consumption at 20 °C and at Uc	===	Inrush	W	5.4	22	22
		Sealed	W	5.4	22	22
Average operating time at Uc (1)	Closing	"C"	ms	63 ± 15 %	85...110	95...130
	Opening	"O"	ms	20 ± 20 %	20...35	20...35
			<i>Note : The arcing time depends on the circuit switched by the poles. For all normal 3-phase applications, the arcing time is less than 10 ms. The load is isolated from the supply after a time equal to the sum of the opening time and the arcing time.</i>			
Time constant L/R (L/R)			ms	28	65	75
Mechanical durability at Uc	In millions of operating cycles			30	20	20
Maximum operating rate at ambient temperature ≤ 60 °C	In operating cycles per hour			3600	3600	3600
Low consumption control circuit characteristics						
Rated insulation voltage	Conforming to IEC 60947-1		V	690	–	
	Conforming to UL, CSA		V	600	–	
Maximum voltage	Of the control circuit on ===			250	–	
Average consumption d.c. at 20 °C and at Uc	Wide range coil (0.7...1.25 Uc)	Inrush	W	2.4	–	
		Sealed	W	2.4	–	
Operating time (1) at Uc and at 20 °C	Closing	"C"	ms	77 ± 15 %	–	
	Opening	"O"	ms	25 ± 20 %	–	
Voltage limits (θ ≤ 60 °C) of the control circuit	Operational			0.7 to 1.25 Uc	–	
	Drop-out			0.1...0.3 Uc	–	
Time constant L/R (L/R)			ms	40	–	
Mechanical durability	In millions of operating cycles			30	–	
Maximum operating rate	At ambient temperature ≤ 60 °C		ops/h	3600	–	

(1) The operating times depend on the type of contactor electromagnet and its control mode.
 The closing time "C" is measured from the moment the coil supply is switched on to initial contact of the main poles.
 The opening time "O" is measured from the moment the coil supply is switched off to the moment the main poles separate.

Characteristics of auxiliary contacts incorporated in the contactor

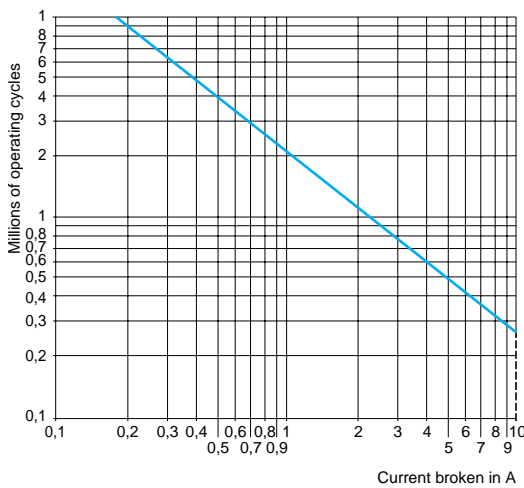
Mechanically linked contacts	Conforming to IEC60947-5-1		Each contactor has 2 N/O and N/C contacts mechanically linked on the same movable contact holder
Mirror contact	Conforming to IEC60947-4-1		The N/C contact on each contactor represents the state of the power contacts and can be connected to a PREVENTA safety module
Rated operational voltage (Ue)	Up to	V	690
Rated insulation voltage (Ui)	Conforming to IEC 60947-1	V	690
	Conforming to UL, CSA	V	600
Conventional thermal current (Ith)	For ambient temperature ≤ 60 °C	A	10
Frequency of the operational current		Hz	25...400
Minimum switching capacity $\lambda = 10^{-8}$	U min	V	17
	I min	mA	5
Short-circuit protection	Conforming to IEC 60947-5-1		gG fuse: 10 A
Rated making capacity	Conforming to IEC 60947-5-1, I rms	A	~: 140, ---: 250
Short-time rating	Permissible for	1 s	A 100
		500 ms	A 120
		100 ms	A 140
			MΩ > 10
Insulation resistance			
Non-overlap time	Guaranteed between N/C and N/O contacts	ms	1.5 on energisation and on de-energisation

Operational power of contacts
conforming to IEC 60947-5-1

a.c. supply, categories AC-14 and AC-15
Electrical durability (valid for up to 3600 operating cycles/hour) on an inductive load such as the coil of an electromagnet: making current ($\cos \varphi 0.7$) = 10 times the power broken ($\cos \varphi 0.4$).

	V	24	48	115	230	400	440	600
1 million operating cycles	VA	60	120	280	560	960	1050	1440
3 million operating cycles	VA	16	32	80	160	280	300	420
10 million operating cycles	VA	4	8	20	40	70	80	100

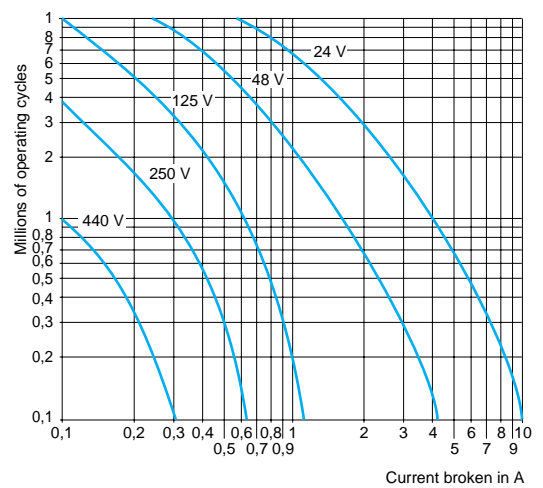
AC-15



d.c. supply, category DC-13
Electrical durability (valid for up to 1200 operating cycles/hour) on an inductive load such as the coil of an electromagnet, without economy resistor, the time constant increasing with the load.

	V	24	48	125	250	440
1 million operating cycles	W	96	76	76	76	44
3 million operating cycles	W	48	38	38	32	—
10 million operating cycles	W	14	12	12	—	—

DC-13



TeSys contactors

For motor control up to 75 kW at 400 V, in category AC-3

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



LC1 D09



LC1 D25



LC1 D95



LC1 D115

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

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 ($\theta \leq 60^\circ\text{C}$)								Rated operational current in AC-3 440 V up to	Instantaneous auxiliary contacts	Basic reference, to be completed by adding the voltage code (2)	Weight (3)
220 V	380 V	415 V	440 V	500 V	660 V	690 V	1000 V				
kW	kW	kW	kW	kW	kW	kW	kW	A	Fixing (1)	kg	
2.2	4	4	4	5.5	5.5	-	-	9	1 1	LC1 D09	0.320
3	5.5	5.5	5.5	7.5	7.5	-	-	12	1 1	LC1 D12	0.325
4	7.5	9	9	10	10	-	-	18	1 1	LC1 D18	0.330
5.5	11	11	11	15	15	-	-	25	1 1	LC1 D25	0.370
7.5	15	15	15	18.5	18.5	-	-	32	1 1	LC1 D32	0.375
9	18.5	18.5	18.5	18.5	18.5	-	-	38	1 1	LC1 D38	0.380
11	18.5	22	22	22	30	22	-	40	1 1	LC1 D40	1.400
15	22	25	30	30	33	30	-	50	1 1	LC1 D50	1.400
18.5	30	37	37	37	37	37	-	65	1 1	LC1 D65	1.400
22	37	45	45	55	45	45	-	80	1 1	LC1 D80	1.590
25	45	45	45	55	45	45	-	95	1 1	LC1 D95	1.610
30	55	59	59	75	80	65	-	115	1 1	LC1 D115	2.500
40	75	80	80	90	100	75	-	150	1 1	LC1 D150	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.

Accessories

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

- (1) LC1 D09 to D38: 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 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.

(2) 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 (D115 and D150 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 (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 D40...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 0.7...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.

(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.

TeSys contactors

a.c. coils

for 3 or 4-pole contactors LC1 D

For contactors ~ LC1 D09...D38 and LC1 DT20...DT40

Specifications

Average consumption at 20 °C:

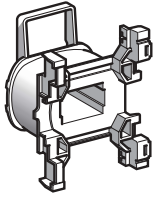
- inrush ($\cos \varphi = 0.75$) 70 VA,- sealed ($\cos \varphi = 0.3$) 50 Hz: 7 VA, 60 Hz: 7.5 VAOperating range ($\theta \leq 60$ °C): 50 Hz: 0.8...1.1 Uc, 60 Hz: 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H	50/60 Hz	kg
12	6.3	0.26	LXD 1J7	0.070
21 (2)	5.6	0.24	LXD 1Z7	0.070
24	6.19	0.26	LXD 1B7	0.070
32	12.3	0.48	LXD 1C7	0.070
36	–	–	LXD 1CC7	0.070
42	19.15	0.77	LXD 1D7	0.070
48	25	1	LXD 1E7	0.070
60	–	–	LXD 1EE7	0.070
100	–	–	LXD 1K7	0.070
110	130	5.5	LXD 1F7	0.070
115	–	–	LXD 1FE7	0.070
120	159	6.7	LXD 1G7	0.070
127	192.5	7.5	LXD 1FC7	0.070
200	–	–	LXD 1L7	0.070
208	417	16	LXD 1LE7	0.070
220	539	22	LXD 1M7	0.070
230	595	21	LXD 1P7	0.070
240	645	25	LXD 1U7	0.070
277	781	30	LXD 1W7	0.070
380	1580	60	LXD 1Q7	0.070
400	1810	64	LXD 1V7	0.070
415	1938	74	LXD 1N7	0.070
440	2242	79	LXD 1R7	0.070
480	2300	85	LXD 1T7	0.070
500	2499	–	LXD 1S7	0.070
575	3432	119	LXD 1SC7	0.070
600	3600	135	LXD 1X7	0.070
690	5600	190	LXD 1Y7	0.070

(1) The last 2 digits in the reference represent the voltage code.

(2) Voltage for special coils fitted in contactors with serial timer modules. with 24 V supply.

810381



LXD 1

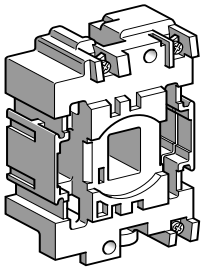
For 3 or 4-pole contactors LC1 D40, D50, D65, D80, D95

Specifications

Average consumption at 20 °C:
 - inrush ($\cos \varphi = 0.75$) 50 Hz: 200 VA, 60 Hz: 220 VA,
 - sealed ($\cos \varphi = 0.3$) 50 Hz: 20 VA, 60 Hz: 22 VA
 Operating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Average resistance at 20 °C ± 10 %		Inductance of closed circuit		Reference (1)	Weight
				Ω	H	Ω	H		
V	Ω	H		Ω	H				kg
			50 Hz			60 Hz			
24	1.4	0.09	LX1 D6B5	1.05	0.06	LX1 D6B6			0.280
32	2.6	0.16	LX1 D6C5	–	–	–			0.280
42	4.4	0.27	LX1 D6D5	–	–	–			0.280
48	5.5	0.35	LX1 D6E5	4.2	0.23	LX1 D6E6			0.280
110	31	1.9	LX1 D6F5	22	1.2	LX1 D6F6			0.280
115	31	1.9	LX1 D6FE5	–	–	–			0.280
120	–	–	–	28	1.5	LX1 D6G6			0.280
127	41	2.4	LX1 D6G5	–	–	–			0.280
208	–	–	–	86	4.3	LX1 D6L6			0.280
220	–	–	–	98	4.8	LX1 D6M6			0.280
220/230	127	7.5	LX1 D6M5	–	–	–			0.280
230	133	8.1	LX1 D6P5	–	–	–			0.280
240	152	8.7	LX1 D6U5	120	5.7	LX1 D6U6			0.280
256	166	10	LX1 D6W5	–	–	–			0.280
277	–	–	–	157	8	LX1 D6W6			0.280
380	–	–	–	300	14	LX1 D6Q6			0.280
380/400	381	22	LX1 D6Q5	–	–	–			0.280
400	411	25	LX1 D6V5	–	–	–			0.280
415	463	26	LX1 D6N5	–	–	–			0.280
440	513	30	LX1 D6R5	392	19	LX1 D6R6			0.280
480	–	–	–	480	23	LX1 D6T6			0.280
500	668	38	LX1 D6S5	–	–	–			0.280
575	–	–	–	675	33	LX1 D6S6			0.280
600	–	–	–	775	36	LX1 D6X6			0.280
660	1220	67	LX1 D6Y5	–	–	–			0.280

810394



LX1 D6●●

Specifications

Average consumption at 20 °C:
 - inrush ($\cos \varphi = 0.75$) 50/60 Hz: 245 VA at 50 Hz,
 - sealed ($\cos \varphi = 0.3$) 50/60 Hz: 26 VA at 50 Hz,
 Operating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Average resistance at 20 °C ± 10 %		Inductance of closed circuit		Reference (1)	Weight
				Ω	H	Ω	H		
						50/60 Hz			
24	–	–	–	1.22	0.08	LX1 D6B7			0.280
42	–	–	–	3.5	0.25	LX1 D6D7			0.280
48	–	–	–	5	0.32	LX1 D6E7			0.280
110	–	–	–	26	1.7	LX1 D6F7			0.280
115	–	–	–	–	–	LX1 D6FE7			0.280
120	–	–	–	32	2	LX1 D6G7			0.280
220/230 (2)	–	–	–	102	6.7	LX1 D6M7			0.280
230	–	–	–	115	7.7	LX1 D6P7			0.280
230/240 (3)	–	–	–	131	8.3	LX1 D6U7			0.280
380/400 (4)	–	–	–	310	20	LX1 D6Q7			0.280
400	–	–	–	349	23	LX1 D6V7			0.280
415	–	–	–	390	24	LX1 D6N7			0.280
440	–	–	–	410	27	LX1 D6R7			0.280

(1) The last 2 digits in the reference represent the voltage code.

(2) For use on 230 V 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see pages 24505/4 and 24505/5. This coil can be used on 240 V at 60 Hz.

(3) This coil can be used on 220/240 V at 50 Hz and on 240 V only at 60 Hz.

(4) For use on 400 V 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see pages 24505/4 and 24505/5.

TeSys contactors

a.c. coils

for 3 or 4-pole contactors LC1 D

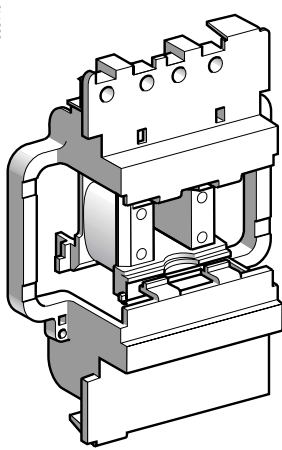
For 3 or 4-pole contactors LC1 D115

Specifications

Average consumption at 20 °C:

- inrush ($\cos \varphi = 0.8$) 50 or 60 Hz: 300 VA,- sealed ($\cos \varphi = 0.3$) 50 or 60 Hz: 22 VAOperating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Average resistance at 20 °C ± 10 %		Inductance of closed circuit		Reference (1)	Weight
				V	Ω	H	Ω		
			50 Hz			60 Hz			
24	1.24	0.09	LX1 D8B5	0.87	0.07	LX1 D8B6	0.260		
32	2.14	0.17	LX1 D8C5	–	–	–	0.260		
42	3.91	0.28	LX1 D8D5	–	–	–	0.260		
48	4.51	0.36	LX1 D8E5	3.91	0.28	LX1 D8E6	0.260		
110	26.53	2.00	LX1 D8F5	19.97	1.45	LX1 D8F6	0.260		
115	26.53	2.00	LX1 D8FE5	–	–	–	0.260		
120	–	–	–	24.02	1.70	LX1 D8G6	0.260		
127	32.75	2.44	LX1 D8FC5	–	–	–	0.260		
208	–	–	–	67.92	5.06	LX1 D8L6	0.260		
220	104.77	7.65	LX1 D8M5	79.61	5.69	LX1 D8M6	0.260		
230	104.77	8.29	LX1 D8P5	–	–	–	0.260		
240	125.25	8.89	LX1 D8U5	97.04	6.75	LX1 D8U6	0.260		
277	–	–	–	125.75	8.89	LX1 D8W6	0.260		
380	338.51	22.26	LX1 D8Q5	243.07	17.04	LX1 D8Q6	0.260		
400	368.43	25.55	LX1 D8V5	–	–	–	0.260		
415	368.43	27.65	LX1 D8N5	–	–	–	0.260		
440	441.56	30.34	LX1 D8R5	338.51	22.26	LX1 D8R6	0.260		
480	–	–	–	368.43	25.55	LX1 D8T6	0.260		
500	566.62	38.12	LX1 D8S5	–	–	–	0.260		



LX1 D8

For 3 or 4-pole contactors LC1 D115, LC1 D150

Specifications

Average consumption at 20 °C:

- inrush $\cos \varphi = 0.9$ - 280 to 350 VA,- sealed $\cos \varphi = 0.9$ - 2 to 18 VA.Operating range ($\theta \leq 55$ °C): 0.8...1.15 Uc.

Coils with integral suppression device fitted as standard, class B.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Average resistance at 20 °C ± 10 %		Inductance of closed circuit		Reference (1)	Weight
				V	Ω	H	Ω		
				50/60 Hz					
24	–	–	–	147	3.03	LX1 D8B7	0.290		
32	–	–	–	301	8.28	LX1 D8C7	0.290		
42	–	–	–	498	13.32	LX1 D8D7	0.290		
48	–	–	–	1061	24.19	LX1 D8E7	0.290		
110	–	–	–	4377	109.69	LX1 D8F7	0.290		
115	–	–	–	4377	109.69	LX1 D8FE7	0.290		
120	–	–	–	4377	109.69	LX1 D8G7	0.290		
127	–	–	–	6586	152.65	LX1 D8FC7	0.290		
208	–	–	–	10 895	260.15	LX1 D8LE7	0.290		
220	–	–	–	9895	210.72	LX1 D8M7	0.290		
230	–	–	–	9895	210.72	LX1 D8P7	0.290		
240	–	–	–	9895	210.72	LX1 D8U7	0.290		
277	–	–	–	21 988	533.17	LX1 D8UE7	0.290		
380	–	–	–	21 011	482.42	LX1 D8Q7	0.290		
400	–	–	–	21 011	482.42	LX1 D8V7	0.290		
415	–	–	–	21 011	482.42	LX1 D8N7	0.290		
440	–	–	–	21 501	507.47	LX1 D8R7	0.290		
480	–	–	–	32 249	938.41	LX1 D8T7	0.290		
500	–	–	–	32 249	938.41	LX1 D8S7	0.290		

(1) The last 2 digits in the reference represent the voltage code.

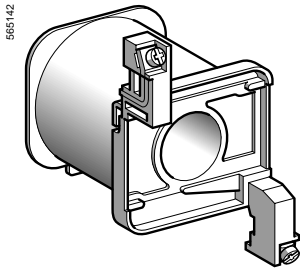
TeSys contactors

d.c. coils
for 3 or 4-pole contactors

For 3-pole contactors LC1 D40...D65 or 4-pole contactors LP1 D40...D65

Specifications

Average consumption: 22 W.
Operating range: 0.85...1.1 Uc.



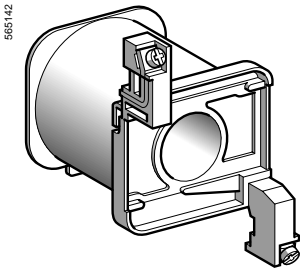
LX4 D6●D

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		kg
12	7.1	0.44	LX4 D6JD	0.415
24	26.8	1.69	LX4 D6BD	0.415
36	58	3.55	LX4 D6CD	0.415
48	109	6.86	LX4 D6ED	0.415
60	173	10.9	LX4 D6ND	0.415
72	234	14.7	LX4 D6SD	0.415
110	560	35.28	LX4 D6FD	0.415
125	717	45.2	LX4 D6GD	0.415
220	2255	142	LX4 D6MD	0.415
250	2940	185	LX4 D6UD	0.415
440	9080	572	LX4 D6RD	0.415

For 3-pole contactors LC1 D80 or 4-pole contactors LP1 D80

Specifications

Average consumption: 22 W.
Operating range: 0.85...1.1 Uc.



LX4 D7●D

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		kg
12	6.6	0.46	LX4 D7JD	0.680
24	27	1.89	LX4 D7BD	0.680
36	57	4	LX4 D7CD	0.680
48	107	7.5	LX4 D7ED	0.680
60	170	11.9	LX4 D7ND	0.680
72	230	16.1	LX4 D7SD	0.680
110	564	39.5	LX4 D7FD	0.680
125	718	50.3	LX4 D7GD	0.680
220	2215	155	LX4 D7MD	0.680
250	2850	200	LX4 D7UD	0.680
440	9195	640	LX4 D7RD	0.680

(1) The last 2 digits in the reference represent the voltage code.

TeSys contactors

d.c. coils

for 3 or 4-pole contactors LC1 D

For contactors LC1 D115, D150

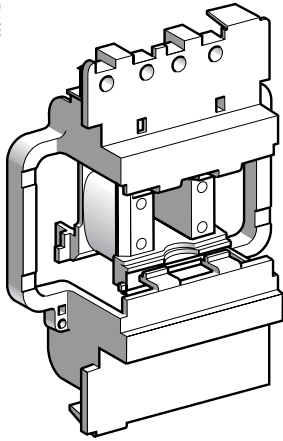
Specifications

Consumption: inrush 270 to 365 W, sealed 2.4 to 5.1 W.

Operating range: 0.7...1.2 Uc.

Coils with integral suppression device fitted as standard, class B.

955142



LX4 D8●D

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		kg
24	147	3.03	LX4 D8BD	0.300
48	1061	24.19	LX4 D8ED	0.300
60	1673	38.44	LX4 D8ND	0.300
72	2500	56.27	LX4 D8SD	0.300
110	4377	109.69	LX4 D8FD	0.300
125	6586	152.65	LX4 D8GD	0.300
220	9895	210.72	LX4 D8MD	0.300
250	18 022	345.40	LX4 D8UD	0.300
440	21 501	684.66	LX4 D8RD	0.300

(1) The last 2 digits in the reference represent the voltage code.

TeSys contactors

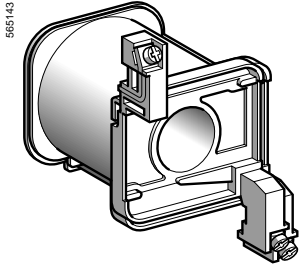
Wide range d.c. coils (for specific applications) for 3 or 4-pole contactors

For 3-pole contactors LC1 D40...D65 or 4-pole contactors LP1 D40...D65

Specifications

Average consumption: 22 W.
Operating range: 0.75...1.2 Uc.
Coils with "TH" treatment as standard.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		kg
12	6.8	0.45	LX4 D6JW	0.415
24	30	1.9	LX4 D6BW	0.415
36	53	3.5	LX4 D6CW	0.415
48	110	7.2	LX4 D6EW	0.415
72	215	14.2	LX4 D6SW	0.415
110	580	38.3	LX4 D6FW	0.415
220	2120	140	LX4 D6MW	0.415



LX4 D6●W

For 3-pole contactors LC1 D80 or 4-pole contactors LP1 D80

Specifications

Average consumption: 23 W.
Operating range: 0.75 to 1.2 Uc
Coils with "TH" treatment as standard.

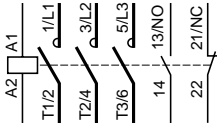
Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		kg
12	6.2	0.49	LX4 D7JW	0.680
24	23.5	1.75	LX4 D7BW	0.680
36	51.9	4.18	LX4 D7CW	0.680
48	94.2	7	LX4 D7EW	0.680
72	204	15.7	LX4 D7SW	0.680
110	483	36	LX4 D7FW	0.680
220	1922	144	LX4 D7MW	0.680

(1) The last 2 digits in the reference represent the voltage code.

Contactors

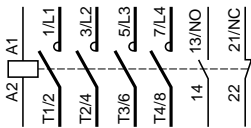
3-pole contactors (References: pages 24501/2 to 24502/3)

LC1 D09 to D150

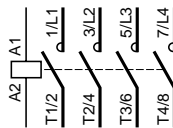


4-pole contactors (References: pages 24502/2 and 24502/3)

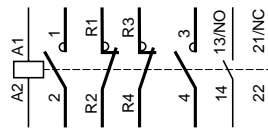
LC1 DT20 to DT40



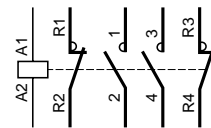
LC1 D115004



LC1 D098 to D258



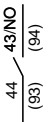
LC1 and LP1 D4008 to D80008



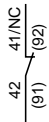
Front mounting add-on contact blocks

Instantaneous auxiliary contacts (References: page 24511/3)

1 N/O LAD N10 (1)



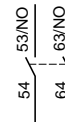
1 N/C LAD N01 (1)



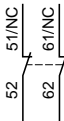
1 N/O + 1 N/C LAD N11



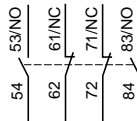
2 N/O LAD N20



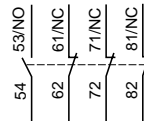
2 N/C LAD N02



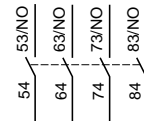
2 N/O + 2 N/C LAD N22



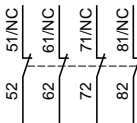
1 N/O + 3 N/C LAD N13



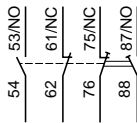
4 N/O LAD N40



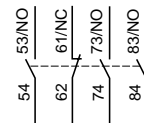
4 N/C LAD N04



2 N/O + 2 N/C including 1 N/O + 1 N/C make before break LAD C22

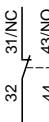


3 N/O + 1 N/C LAD N31

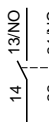


Instantaneous auxiliary contacts conforming to standard EN 50012 (References: page 24511/3)

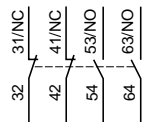
1 N/O + 1 N/C LAD N11G



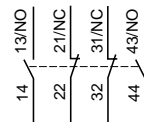
1 N/O + 1 N/C LAD N11P



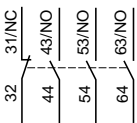
2 N/O + 2 N/C LAD N22G



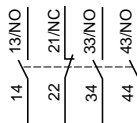
2 N/O + 2 N/C LAD N22P



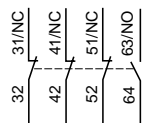
3 N/O + 1 N/C LAD N31G



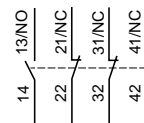
3 N/O + 1 N/C LAD N31P



1 N/O + 3 N/C LAD N13G



1 N/O + 3 N/C LAD N13P

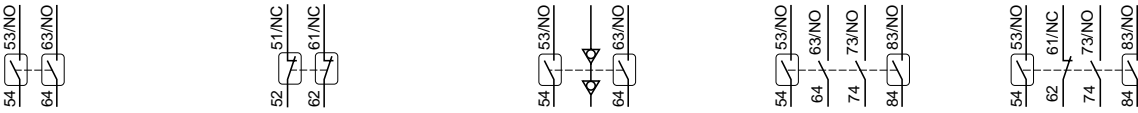


(1) Items in brackets are for blocks mounted on right-hand side of contactor.

Front mounting add-on contact blocks

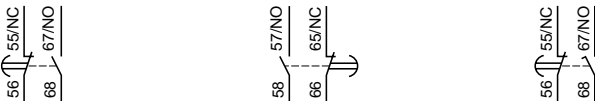
Dust and damp protected instantaneous auxiliary contacts (References: page 24511/3)

2 N/O (24-50 V) LA1 DX20	2 N/C (24-50 V) LA1 DX02	2 N/O (5-24 V) LA1 DY20	2 N/O protected (24-50 V) 2 N/O standard LA1 DZ40	2 N/O protected (24-50 V) + 1 N/O + 1 N/C standard LA1 DZ31
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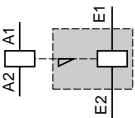
Time delay auxiliary contacts (References: page 24511/4)

On-delay 1 N/O + 1 N/C LAD T	Off-delay 1 N/O + 1 N/C LAD R	On-delay 1 N/C + 1 N/O break before make LAD S
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Mechanical latch blocks (References: page 24511/4)

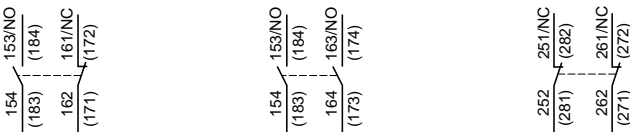
LAD 6K10 and LA6 DK20



Side mounting add-on contact blocks

Instantaneous auxiliary contacts (References: page 24511/3)

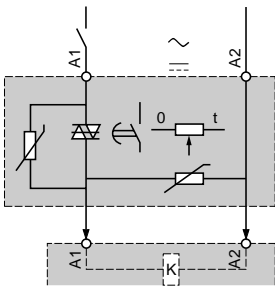
1 N/O + 1 N/C LAD 8N11 (1)	2 N/O LAD 8N20 (1)	2 N/C LAD 8N02 (1)
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(1) Items in brackets are for blocks mounted on right-hand side of contactor.

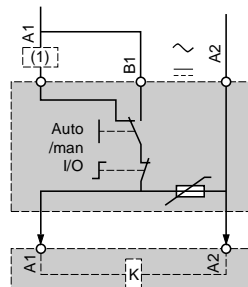
Electronic serial timer modules

On-delay LA4 DT●U



Auto-Man-Stop control modules

LA4 DM●

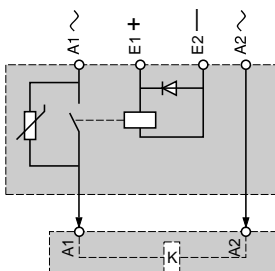


(1) PLC.

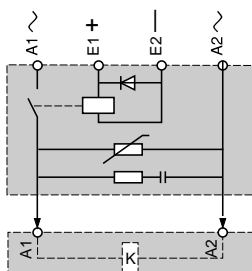
Interface modules

Relay interface

LA4 DF●

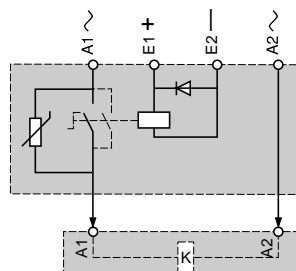


LA4 DFBQ



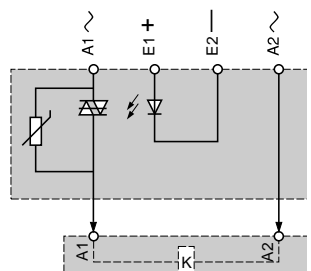
Relay with manual override

LA4 DL●



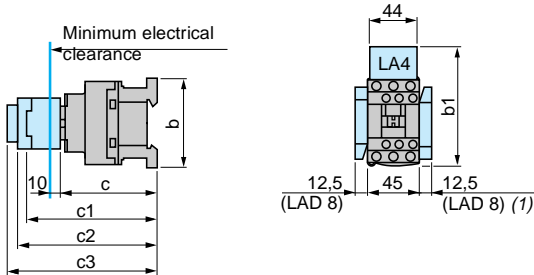
Solid state

LA4 DWB●

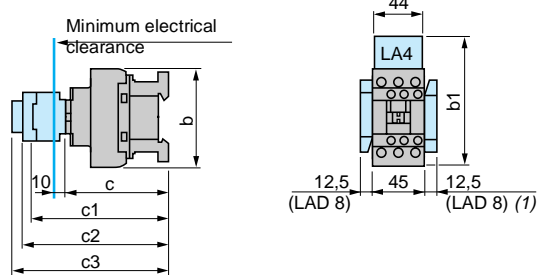


References: page 24511/7.

LC1 D09...D18 (3-pole)



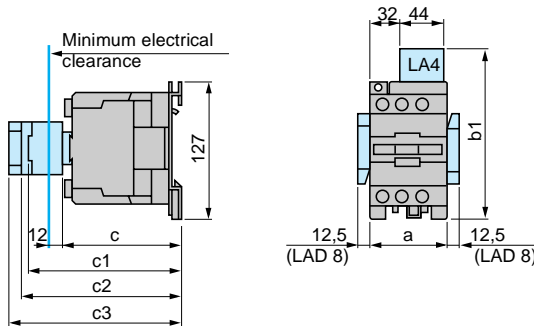
LC1 D25...D38 (3-pole), LC1 DT20...DT40 (4-pole)



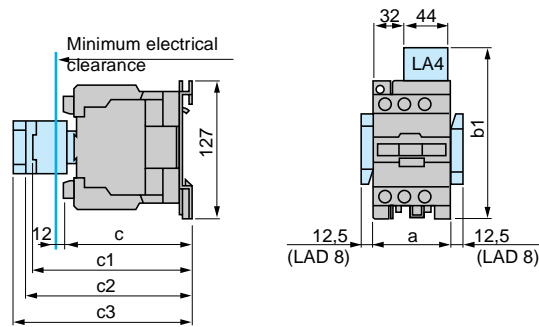
LC1	D09...D18	D093... D123	D099... D129	D25... D38	D183... D323	DT20 & DT25	DT203 & DT253	DT32 & DT40	DT323 & DT403
b without add-on blocks	77	99	80	85	99	85	99	91	105
b1 with LAD 4BB	94	107	95.5	98	107	98	-	-	-
with LA4 D●2	110 (1)	123 (1)	111.5 (1)	114 (1)	123 (1)	114	-	-	-
with LA4 DF, DT	119 (1)	132 (1)	120.5 (1)	123 (1)	132 (1)	129	-	-	-
with LA4 DW, DL	126 (1)	139 (1)	127.5 (1)	130 (1)	139 (1)	190	-	-	-
c without cover or add-on blocks	84	84	84	90	90	90	90	97	97
with cover, without add-on blocks	86	86	86	92	92	92	92	99	99
c1 with LAD N or C (2 or 4 contacts)	117	117	117	123	123	123	123	131	131
c2 with LA6 DK10, LAD 6K10	129	129	129	135	135	135	135	143	143
c3 with LAD T, R, S	137	137	137	143	143	143	143	151	151
with LAD T, R, S and sealing cover	141	141	141	147	147	147	147	155	155

(1) Including LAD 4BB

LC1 D40...D65 (3-pole), LC1 D65004, D40008 & D65008 (4-pole)



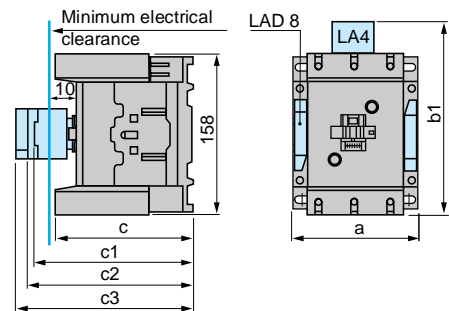
LC1 D80 & D95 (3-pole), LC1 D80004 & D80008 (4-pole)



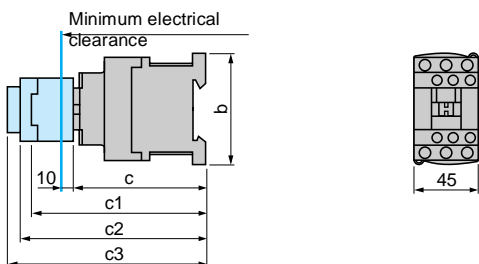
LC1	D40...D65	D40008	D80, D65004	D95, D65008	D80004	D80008
a	75	85	85	85	96	96
b1 with LA4 D●2	135	135	135	135	135	135
with LA4 DB3	-	-	135	-	-	-
with LA4 DF, DT	142	142	142	142	142	142
with LA4 DM, DW, DL	150	150	150	150	150	150
c without cover or add-on blocks	114	125	125	125	125	140
with cover, without add-on blocks	119	-	130	130	-	-
c1 with LAD N (1 contact)	139	139	150	150	150	150
with LAD N or C (2 or 4 contacts)	147	147	158	158	158	158
c2 with LA6 DK	159	159	170	170	170	170
c3 with LAD T, R, S	167	167	178	178	178	178
with LAD T, R, S and sealing cover	171	171	182	182	182	182

LC1 D115 and D150 (3-pole), LC1 D115004 (4-pole)

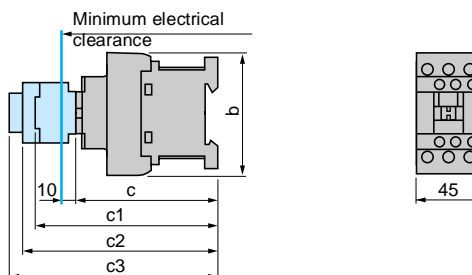
LC1	D115, D150	D115004	D115006	D150006	D1150046
a	120	150	120	120	155
b1 with LA4 DA2	174	174	174	174	174
with LA4 DF, DT	185	185	185	185	185
with LA4 DM, DL	188	188	188	188	188
with LA4 DW	188	188	188	-	188
c without cover or add-on blocks	132	132	115	115	115
with cover, without add-on blocks	136	-	-	-	-
c1 with LAD N or C (2 or 4 contacts)	150	150	150	150	150
c2 with LA6 DK20	155	155	155	155	155
c3 with LAD T, R, S	168	168	168	168	168
with LAD T, R, S and sealing cover	172	172	172	172	172



LC1 D09...D18 (3-pole)

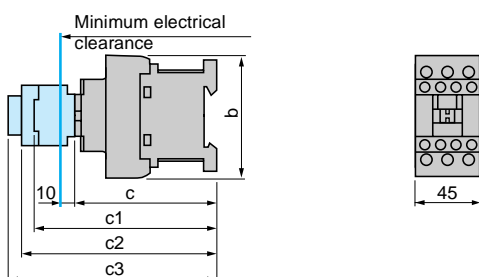


LC1 D25...D38 (3-pole)



LC1	D09...D18	D093...D123	D099...D129	D25...D38	D183...D323
b	77	99	80	85	99
c without cover or add-on blocks	93	93	93	99	99
with cover, without add-on blocks	95	95	95	101	101
c1 with LAD N or C (2 or 4 contacts)	126	126	126	132	132
c2 with LA6 DK10	138	138	138	144	144
c3 with LAD T, R, S	146	146	146	152	152
with LAD T, R, S and sealing cover	150	150	150	156	156

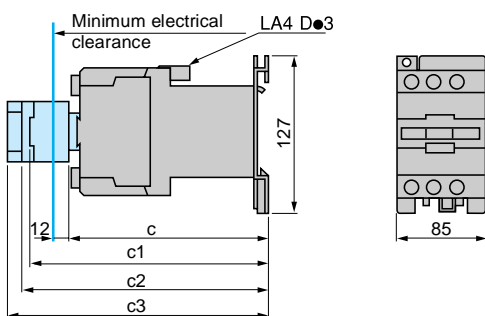
LC1 DT20 to DT40 (4-pole)



LC1	DT20 & DT25 D098 & D128	DT203 & DT253 D0983 & D1283	DT32 & DT40 D188...D258	DT323 & DT403 D1883 & D2583
b	85	99	91	105
c with cover	99	99	107	107
c1 with LAD N or C (2 or 4 contacts)	123	123	131	131
c2 with LA6 DK10	135	135	143	143
c3 with LAD T, R, S	143	143	151	151
with LAD T, R, S and sealing cover	147	147	155	155

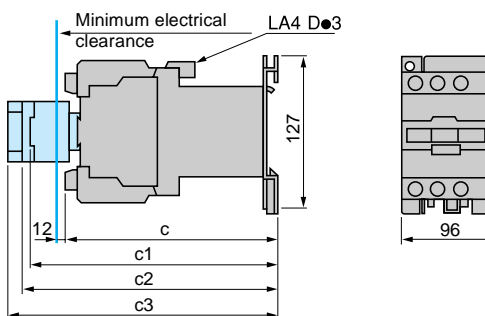
LC1 D40...D65 (3-pole)

LC1 D65004, LP1 D40008...D65008 (4-pole)



LC1 D80 & D95 (3-pole)

LP1 D80004, LP1 D80008 (4-pole)

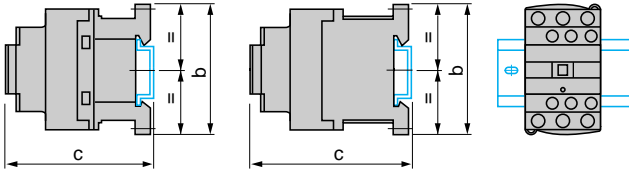


	LC1 D40...D65	LP1 D65004	LP1 D40008 & D65008	LC1 D80 & D95	LP1 D80004	LP1 D80008
c without cover or add-on blocks	171	171	182	181	181	196
with cover, without add-on blocks	176	-	-	186	-	-
c1 with LAD N (1 contact)	196	196	196	204	204	204
with LAD N or C (2 or 4 contacts)	202	202	202	210	210	210
c2 with LA6 DK10	213	213	213	221	221	221
c3 with LAD T, R, S	221	221	221	229	229	229
with LAD T, R, S and sealing cover	225	225	225	233	233	233

LC1 D115●●● and LC1 D150●●● with ▬ coil: see page 24531/2

LC1 D09...D38, DT20...DT40

On mounting rail AM1 DP200, DR200 or AM1 DE200 (width 35 mm)



LC1	D09...D18	D25...D38	DT2 & DT25	DT32 & DT40
b	77	85	85	100
c (AM1 DP200 or DR200) (1)	88	94	94	109
c (AM1 DE200) (1)	96	102	102	117

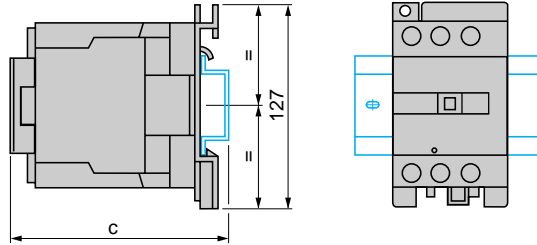
Control circuit: d.c.

b	77	85	94	109
c (AM1 DP200 or DR200) (1)	97	103	103	118
c (AM1 DE200) (1)	105	110	111	1236

(1) with safety cover.

LC1 D40 to D95, LP1 D40 to D80

On mounting rail AM1 DL200 or DL201 (width 75 mm)
On mounting rail AM1 ED●●● or AM1 DE200 (width 35 mm)



Control circuit: a.c.

LC1	D40...D65	D80 & D95
c (AM1 DL200) (1)	136	147
c (AM1 DL201) (1)	126	137
c (AM1 ED●●● or DE200) (1)	126	137

Control circuit: d.c.

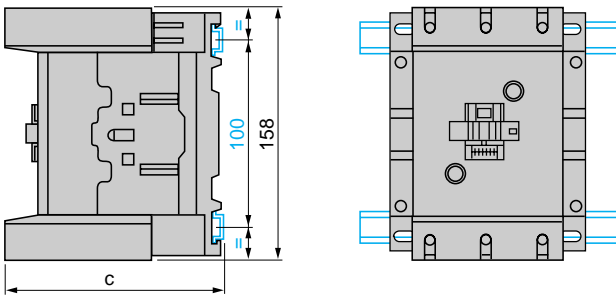
LC1	D40...D65	D80 & D95
c (AM1 DL200) (1)	193	203
c (AM1 DL201) (1)	183	203

LP1	D40	D65	D80
c (AM1 DL200)	188	188	198
c (AM1 DL201)	178	178	198

(1) with safety cover.

LC1 D115, D150

On 2 mounting rails DZ5 MB on 120 mm centres

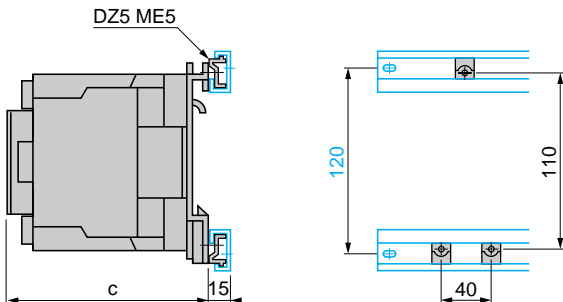


Control circuit: a.c. or d.c.

LC1	D115 & D150	D1156 & D1506
c (AM1 DP200 or DR200)	134.5	117.5
c (AM1 DE200 or ED●●●)	142.5	125.5

LC1 D40...D95, LP1 D40...D80

On 2 mounting rails DZ5 MB on 120 mm centres



Control circuit: a.c.

LC1	D40...D65	D80 & D95
c with cover	119	130

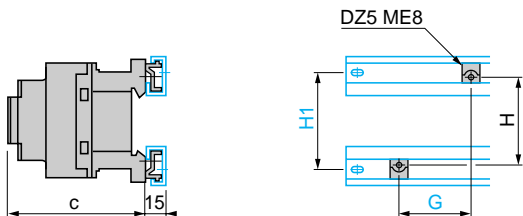
Control circuit: d.c.

LC1	D40...D65	D80 & D95
c with cover	176	186

LP1	D40 & D65	D80
c	171	181

LC1 D09 to D38 and LC1 DT20...DT40

On 2 mounting rails DZ5 MB



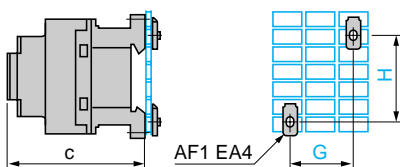
Control circuit:	a.c.		d.c.	
LC1	D09...D18	D25...D38	D09...D18	D25...D38
c with cover	86	92	95	101
G	35	35	35	35
H	60	60	70	70
H1	70	70	70	70

4-pole contactors

LC1	DT20 & DT25	DT32 & DT40	DT20 & DT25	DT32 & DT40
c	92	100	101	109
G	35	35	35	35
H	60	60	70	70
H1	70	70	70	70

LC1 D09...D38 and LC1 DT20...DT40

On pre-slotted mounting plate AM1 PA, PB, PC

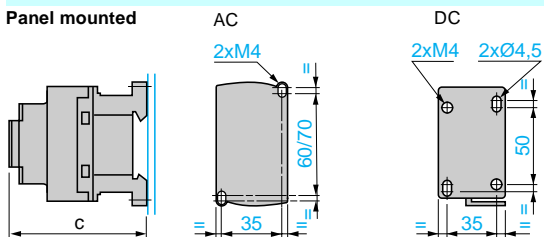


Control circuit:	a.c.		d.c.	
LC1	D09...D18	D25...D38	D09...D18	D25...D38
c with cover	86	92	95	101
G	35	35	35	35
H	60/70	60/70	70	70

LC1	DT20 & DT25	DT32 & DT40	DT20 & DT25	DT32 & DT40
c with cover	80	93	118	132
G	35	35	35	35
H	60	60	60	60

LC1 D09...D38

Panel mounted



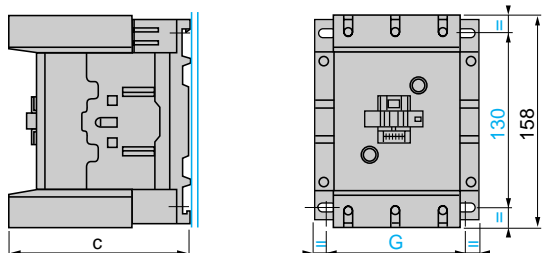
Control circuit:	a.c.		d.c.	
LC1	D09...D18	D25...D38	D09...D18	D25...D38
c with cover	86	92	95	101

4-pole contactors

LC1	DT20 & DT25	DT32 & DT40	DT20 & DT25	DT32 & DT40
c with cover	90	98	90	98

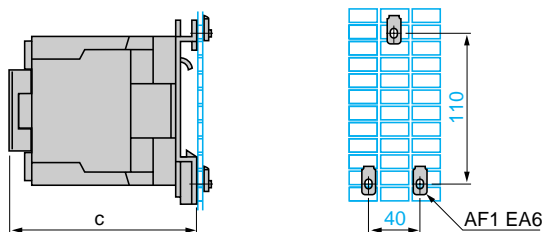
LC1 D115, D150

Panel mounted



LC1 D40...D95, LP1 D40...D80

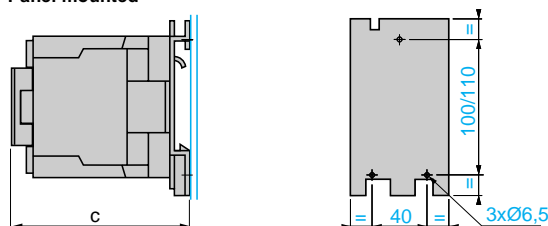
On pre-slotted mounting plate AM1 PA, PB, PC



Control circuit:	a.c.		d.c.	
LC1	D40...D65	D80 & D95	D40...D65	D80 & D95
c with cover	119	130	176	186
LP1	–	–	D40 & D65	D80
c without cover	–	–	171	181

LC1 D40...D95, LP1 D40 D80

Panel mounted



Control circuit:	a.c.		d.c.	
LC1	D40...D65	D80 & D95	D4...D65	D80 & D95
c with cover	119	130	176	186

LP1	–	–	D40 & D65	D80
c without cover	–	–	171	181



3-pole contactors, a.c. (1)

Connection					
for cables with or without cable end		for lugs or bars		for Faston connectors	
Old references	New references	Old references	New references	Old references	New references
LC1-D0900	LC1-D09	LC1-D09006	LC1-D096	LC1-D09009	LC1-D099
LC1-D0910	LC1-D09	LC1-D09106	LC1-D096	LC1-D09109	LC1-D099
LC1-D0901	LC1-D09	LC1-D09016	LC1-D096	LC1-D09019	LC1-D099
LC1-D1200	LC1-D12	LC1-D12006	LC1-D126	LC1-D12009	LC1-D129
LC1-D1210	LC1-D12	LC1-D12106	LC1-D126	LC1-D12109	LC1-D129
LC1-D1201	LC1-D12	LC1-D12016	LC1-D126	LC1-D12019	LC1-D129
LC1-D1800	LC1-D18	LC1-D18006	LC1-D186		
LC1-D1810	LC1-D18	LC1-D18106	LC1-D186		
LC1-D1801	LC1-D18	LC1-D18016	LC1-D186		
LC1-D2500	LC1-D25	LC1-D25006	LC1-D256		
LC1-D2510	LC1-D25	LC1-D25106	LC1-D256		
LC1-D2501	LC1-D25	LC1-D25016	LC1-D256		
LC1-D3200	LC1-D32	LC1-D32006	LC1-D326		
LC1-D3210	LC1-D32	LC1-D32106	LC1-D326		
LC1-D3201	LC1-D32	LC1-D32016	LC1-D326		
LC1-D3810	LC1-D38	LC1-D38106	LC2-D386		
LC1-D3801	LC1-D38	LC1-D38016	LC1-D386		
LC1-D4011	LC1-D40	LC1-D40116	LC1-D406		
LC1-D5011	LC1-D50	LC1-D50116	LC1-D506		
LC1-D6511	LC1-D65	LC1-D65116	LC1-D656		
LC1-D8011	LC1-D80	LC1-D80116	LC1-D806		
LC1-D9511	LC1-D95	LC1-D95116	LC1-D956		
LC1-D11500	LC1-D115	LC1-D115006	LC1-D1156		
LC1-D15000	LC1-D150	LC1-D150006	LC1-D1506		

4-pole contactors, a.c. (1)

LC1-D12004	LC1-DT25	LC1-D120046	LC1-DT256		
LC1-D12008	LC1-D128	LC1-D120086	LC1-D1286		
LC1-D25004	LC1-DT40	LC1-D250046	LC1-DT406		
LC1-D25008	LC1-D258	LC1-D250086	LC1-D2586		

(1) Main voltages: codes to be added to the end of the new references

~ Volts	24	48	220	230	380	400
Code	B7	E7	M7	P7	Q7	V7

3-pole contactors, d.c. (2)

LP1-D0910	LC1-D09	LP1-D09106	LC1-D096	LP1-D09109	LC1-D099
LP1-D0901	LC1-D09	LP1-D09016	LC1-D096	LP1-D09019	LC1-D099
LP1-D1210	LC1-D12	LP1-D12106	LC1-D126	LP1-D12109	LC1-D129
LP1-D1201	LC1-D12	LP1-D12016	LC1-D126	LP1-D12019	LC1-D129
LP1-D1810	LC1-D18	LP1-D18106	LC1-D186		
LP1-D1801	LC1-D18	LP1-D18016	LC1-D186		
LP1-D2510	LC1-D25	LP1-D25106	LC1-D256		
LP1-D2501	LC1-D25	LP1-D25016	LC1-D256		
LP1-D3210	LC1-D32	LP1-D32106	LC1-D326		
LP1-D3201	LC1-D32	LP1-D32016	LC1-D326		
LP1-D4011	LC1-D40	LP1-D40116	LC1-D406		
LP1-D5011	LC1-D50	LP1-D50116	LC1-D506		
LP1-D6511	LC1-D65	LP1-D65116	LC1-D656		
LP1-D8011	LC1-D80	LP1-D80116	LC1-D806		
LC1-D11500	LC1-D115	LC1-D115006	LC1-D1156		
LC1-D15000	LC1-D150	LC1-D150006	LC1-D1506		

4-pole contactors, d.c. (2)

LP1-D12004	LC1-DT25	LP1-D120046	LC1-DT256		
LP1-D12008	LC1-D128	LP1-D120086	LC1-D1286		
LP1-D25004	LC1-DT40	LP1-D250046	LC1-DT406		
LP1-D25008	LC1-D258	LP1-D250086	LC1-D2586		

(2) Main voltages: codes to be added to the end of the new references

⋮ Volts	24	48	72
Code	BD	ED	SD