



Connections

■ **screw clamp terminals or connectors**

Rated operational voltage	690 V					
Rated operational current	le max AC-3 (Ue ≤ 440V)	9 A	12 A	18 A	25 A	32 A
	le AC-1 (θ ≤ 60° C)	25 A		32 A	40 A	50 A
Rated operational power	220/240 V	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW
In category AC3	380/400 V	4 kW	5.5 kW	7.5 kW	11 kW	15 kW
	415/440 V	4 kW	5.5 kW	9 kW	11 kW	15 kW
	500 V	5.5 kW	7.5 kW	10 kW	15 kW	18.5 kW
	660/690 V	5.5 kW	7.5 kW	10 kW	15 kW	18.5 kW
	1000 V	-	-	-	-	-
Contactor type *	LC1-D09	LC1-D12	LC1-D18	LC1-D25	LC1-D32	
Reversing contactor type * with mechanical interlock	LC2-D09	LC2-D12	LC2-D18	LC2-D25	LC2-D32	

■ **spring terminals ⁽¹⁾**

Add the figure 3 before the voltage code. Example LC1-D09P7 becomes LC1-093P7

■ **lug-clamps ⁽²⁾**

Add the figure 6 before the voltage code. Example LC1-D09P7 becomes LC1-096P7

■ **Faston connectors ⁽³⁾ 2 x 6.35 (power) and 1 x 6.35 (control) up to D12 only**

Add the figure 9 before the voltage code. Example LC1-D09P7 becomes LC1-099P7

* Basic reference to be completed by adding the coil voltage



(1)



(2)



(3)

Standard control circuit voltages

~ **supply**

Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
Contactors LC1-D09...D50 (coils D115 and D150 with integral suppression device fitted as standard)													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	-
Contactors 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	-

= **supply**

Volts	12	24	36	48	60	72	110	125	220	250	440
Contactors 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
Contactors 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	-	-
Contactors 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

Contactors LC1-D09...D38 (coils with integral suppression device fitted as standard)											
Volts =	5	12	20	24	48	110	120	250			
U 0.7...1.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL			

Example of complete reference LC1-D09P7

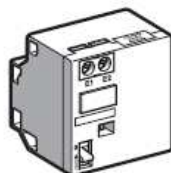


	1 000 V on ~ supply, 690 V on ≡ supply						
	40 A	50 A	65 A	80 A	95 A	115 A	150 A
	60 A	80 A		125 A		200 A	
/	11 kW	15 kW	18.5 kW	22 kW	25 kW	30 kW	40 kW
kW	18.5 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
kW	22 kW	25/30 kW	37 kW	45 kW	45 kW	59 kW	80 kW
kW	22 kW	30 kW	37 kW	55 kW	55 kW	75 kW	90 kW
kW	30 kW	33 kW	37 kW	45 kW	45 kW	80 kW	100 kW
	22 kW	30 kW	37 kW	45 kW	45 kW	75 kW	90 kW
-D38	LC1-D40	LC1-D50	LC1-D65	LC1-D80	LC1-D95	LC1-D115	LC1-D150
-D38	LC2-D40	LC2-D50	LC2-D65	LC2-D80	LC2-D95	LC2-D115	LC2-D150

Mounting accessories for 3-pole reversing contactors

2 identical contactors with screw clamp terminals or connectors, horizontally mounted

Mechanical interlock	Set of connections	Mechanical interlock
<ul style="list-style-type: none"> with an electrical interlocking kit for the contactors 		
LC1-D09...D38	LAD-9R1V	included
<ul style="list-style-type: none"> with integral electrical interlocking 		
LC1-D40...D65	LA9-D6569	LA9-D4002
LC1-D80 and D95 (~)	LA9-D8069	LA9-D4002
LC1-D80 and D95 (≡)	LA9-D8069	LA9-D8002
LC1-D115 and D150	LA9-D11569	LA9-D11502
<ul style="list-style-type: none"> without electrical interlocking 		
LC1-D09...D38	LA9-9R1	included
LC1-D40...D65	LA9-D6569	LA9-D50978
LC1-D80 and D95 (~)	LA9-D8069	LA9-D50978
LC1-D80 and D95 (≡)	LA9-D8069	LA9-D80978



Mechanical latch blocks

Clip-on front mounting, manual or electrical unlatching control

For use on contactor	Reference	Standard control circuit voltages
LC1-D40...D65 3P ~ or ≡, LC1-D65 4P ~, LC1-D65 4P ≡	LA6-DK10•	B E F M Q
LC1-D80...D150 3P ~, LC1-D80 and D115 3P ~, LC1-D115 4P ≡	LA6-DK20•	B E F M Q
LC1-D09...D38 ~ or ≡, LC1-DT20...DT40 ~ or ≡	LA6-6K10•	B E F M Q



Auxiliary contact blocks

■ instantaneous, for connection by screw clamp terminals

■ time delay

■ front mounting				■ side mounting		■ front mounting				
Composition	Reference	Composition	Reference	Composition	Reference	Composition	Reference	Type	Range	Reference
N/O N/C		N/O N/C		N/O N/C		N/O N/C				
1 -	LAD-N10	1 1	LAD-N11	2 2	LAD-N22	1 1	LAD-8N11	On-delay	0.1...3 s	LAD-T0
- 1	LAD-N01	2 -	LAD-N20	1 3	LAD-N13	2 -	LAD-8N20		0.1...30 s	LAD-T2
		- 2	LAD-N02	4 -	LAD-N40	- 2	LAD-8N02		10...180 s	LAD-T4
				- 4	LAD-N04			Off-delay	0.1...3 s	LAD-R0
				3 1	LAD-N31				0.1...30 s	LAD-R2
									10...180 s	LAD-R4

Maximum number of auxiliary contacts that can be fitted

Contactors

Type	Instantaneous auxiliary contact blocks				Time delay Front mounting	
	Number of poles and size	Side mounting	Front mounting			
			1 contact	2 contacts	4 contacts	
~	3P LC1-D09...D38	1 on LH side and	-	1	or 1	or 1
	LC1-D40...D95 (50/60 Hz)	1 on each side or	2	and 1	or 1	or 1
	LC1-D40...D95 (50 or 60 Hz)	1 on each side and	2	and 1	or 1	or 1
	LC1-D115 and D150	1 on LH side	-	and 1	or 1	or 1
≡	4P LC1-DT20...DT40	1 on LH side	-	1	or 1	or 1
	LC1-D65 and D80	1 on each side or	1	or 1	or 1	or 1
	LC1-D115	1 on each side and	1	or 1	or 1	or 1
	3P LC1-D09...D38	-	-	1	or 1	or 1
≡	LC1-D40...D95	-	1	or 1	or 1	or 1
	LC1-D115 and D150	1 on LH side and	-	1	or 1	or 1
	4P LC1-DT20...DT40	-	-	1	or 1	or 1
	LP1-D65 and D80	-	2	and 1	or 1	or 1
Low Consumption	LC1-D115	1 on each side	-	and 1	or 1	or 1
	3P LC1-D09...D38	-	-	1	-	-
	4P LC1-DT20...DT40	-	-	1	-	-



Rated operational current	le max AC-3 (Ue ≤ 440V)	185 A	225 A	265 A	330 A
	le AC-1 (θ ≤ 40° C)	275 A	315 V	350 A	400 A
Rated operational voltage		1 000 V	1 000 V	1 000 V	1 000 V
Number of poles		3 or 4	3 or 4	3 or 4	3 or 4
Rated operational power	220/240 V	55 kW	63 kW	75 kW	100 kW
In category AC3	380/400 V	90 kW	110 kW	132 kW	160 kW
	415 V	100 kW	110 kW	140 kW	180 kW
	440 V	100 kW	110 kW	140 kW	200 kW
	500 V	110 kW	129 kW	160 kW	200 kW
	660/690 V	110 kW	129 kW	160 kW	220 kW
	1000 V	100 kW	100 kW	147 kW	160 kW
Contactor type*		LC1-F185	LC1-F225	LC1-F265	LC1-F330
Reversing contactor type*		LC2-F185	LC2-F225	LC2-F265	

* Basic reference to be completed by adding the coil voltage

Standard control circuit voltages

~ supply

Volts	24	48	110	115	120	208	220	230	240	380	400	415	440
Contactors LC1-F115...F225(0.85...1.1UC)													
50 Hz (coil LX1)	B5	E5	F5	FE5	-	-	M5	P5	U5	Q5	V5	N5	-
60 Hz (coil LX1)	-	E6	F6	-	G6	L6	M6	-	U6	Q6	-	-	R6U7
40...400 Hz (coil LX9)	-	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7
Contactors LC1-F265...F330U7													
40...400 Hz (coil LX1)	B7	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7
Contactors LC1-F400...F630U7													
40...400 Hz (coil LX1)	-	E7	F7	FE7	G7 ⁽¹⁾	L7	M7	P7	U7	Q7	V7	N7	R7
Contactor LC1-F780U7													
40...400 Hz (coil LX1)	-	-	F7	FE7	F7	L7	M7	P7	U7	Q7	V7	N7	R7
Contactor LC1-F800U7													
40...400 Hz (coil LX1)	-	-	FE7	FE7	FE7	-	P7	P7	P7	V7	V7	V7	V7Y7

= supply

Volts	24	48	110	125	220	230	250	400	440
Contactors LC1-F115...F330(0.85...1.1UC)									
(coil LX4-F)	BD	ED	FD	GD	MD	MD	UD	-	RD
Contactors LC1-F400...F630(0.85...1.1UC)									
(coil LX4-F)	-	ED	FD	GD	MD	-	UD	-	RD
Contactor LC1-F780(0.85...1.1UC)									
(coil LX4-F)	-	-	FD	GD	MD	-	UD	-	RD
Contactor LC1-F800(0.85...1.1UC)									
(coil LX4-F)	-	-	FW	FW	MW	MW	-	QW	-

Example: For a 630 A contactor with a 110 V ~ coil, order LC1-F630F7

(1) F7 for LC1-F630