

Applications

Control of all types of motor for standard or severe duty applications
Control of resistive, inductive and capacitive circuits:
heating, lighting, $\cos \varphi$ rectification, transformers, normal-standby



Rated operational current
Ie max AC-3 (Ue ≤ 440 V)
Ie max AC-1 (θ ≤ 40 °C)

115 A	150 A	185 A	225 A	265 A	330 A
200 A	250 A	275 A	315 A	350 A	400 A

Rated operational voltage

1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
--------	--------	--------	--------	--------	--------

Number of poles

3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4
--------	--------	--------	--------	--------	--------

Rated operational power in category AC-3
220/240 V
380/400 V
415 V
440 V
500 V
660/690 V
1000 V

30 kW	40 kW	55 kW	63 kW	75 kW	100 kW
55 kW	75 kW	90 kW	110 kW	132 kW	160 kW
59 kW	80 kW	100 kW	110 kW	140 kW	180 kW
59 kW	80 kW	100 kW	110 kW	140 kW	200 kW
75 kW	90 kW	110 kW	129 kW	160 kW	200 kW
80 kW	100 kW	110 kW	129 kW	160 kW	220 kW
65 kW	65 kW	100 kW	100 kW	147 kW	160 kW

Add-on auxiliary contact blocks

Front mounting, identical to those used on LC1 D contactors (contacts: instantaneous LA1 DN●●, time delay LA2 DT or LA3 DR, dust and damp protected LA1 DX or DY or DZ)

Associated thermal overload relays
Manual-auto
Electronic

LR9 F
LT6

Interfaces
Specific
Universal

LA4 FWB
With or without, depending on the control circuit

Contactor type

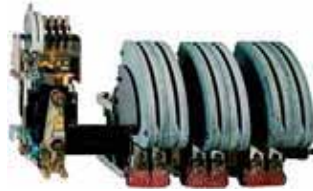
LC1 F115	LC1 F150	LC1 F185	LC1 F225	LC1 F265	LC1 F330
----------	----------	----------	----------	----------	----------

Reversing contactor type

LC2 F115	LC2 F150	LC2 F185	LC2 F225	LC2 F265	For customer assembly
----------	----------	----------	----------	----------	-----------------------

Pages
Contactors
Reversing contactors

5/102 and 5/103	5/102 and 5/103
5/104 and 5/105	5/106 to 5/109



400 A	500 A	630 A	780 A	800 A	750 A	1000 A	1500 A	1800 A
500 A	700 A	1000 A	1600 A	1000 A	800 A	1250 A	2000 A	2750 A
1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
2, 3 or 4	2, 3 or 4	2, 3 or 4	3 or 4	3	1 to 4	1 to 4	1 to 4	1 to 4
110 kW	147 kW	200 kW	220 kW	250 kW	220 kW	280 kW	425 kW	500 kW
200 kW	250 kW	335 kW	400 kW	450 kW	400 kW	500 kW	750 kW	900 kW
220 kW	280 kW	375 kW	425 kW	450 kW	425 kW	530 kW	800 kW	900 kW
250 kW	295 kW	400 kW	425 kW	450 kW	450 kW	560 kW	800 kW	900 kW
257 kW	355 kW	400 kW	450 kW	450 kW	500 kW	600 kW	700 kW	900 kW
280 kW	335 kW	450 kW	475 kW	475 kW	560 kW	670 kW	750 kW	900 kW
185 kW	335 kW	450 kW	450 kW	450 kW	530 kW	530 kW	670 kW	750 kW

4 instantaneous contact compositions:
2 N/C + 2 N/O, 3 N/O + 1 N/C, 1 N/O + 3 N/C or 4 N/O

LR9 F

LT6

-

-

LC1 F400

LC1 F500

LC1 F630

LC1 F780

LC1 F800

LC1 BL

LC1 BM

LC1 BP

LC1 BR

For customer assembly

5/146 and 5/147

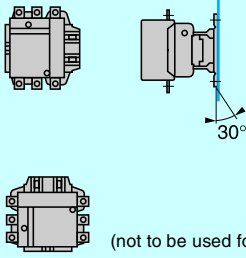
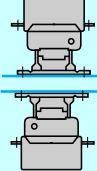

5/148

TeSys contactors

TeSys LC1 F (115 to 800 A)

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

5

Environment			LC1 F115	LC1 F150	LC1 F185
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1	V	1000	1000	1000
	Conforming to VDE 0110 gr C	V	1500	1500	1500
Rated impulse withstand voltage (Uimp)	Coil not connected to the power circuit	kV	8	8	8
Conforming to standards			EN 60947-1, EN 60947-4-1, IEC 60947-1, IEC 60947-4-1, JEM 1038		
Product certifications			CSA, UL, BV, GL, DNV, RINA, RMROS, LROS, CCC		
Degree of protection	Conforming to IEC 60529		IP 2X front face with shrouds LA9 F		
	Conforming to VDE 0106		Front face protected against direct finger contact with shrouds LA9 F		
Protective treatment	Standard version		"TH"		
Ambient air temperature around the device	Storage	°C	- 60...+ 80		
	Operation	°C	- 5...+ 55		
	Permissible at Uc (1)	°C	- 40...+ 70		
Maximum operating altitude	Without derating	m	3000		
Operating positions	Without derating		 <p>(not to be used for LC1 F780)</p>		
			 <p>Apply the following derating coefficients: 0.75 on the pull-in voltage, 0.9 on the drop-out voltage and 0.8 on the operational current in AC-1.</p> <p>Apply the following derating coefficients: 1.15 on the pull-in voltage, 1.1 on the drop-out voltage and 0.8 on the operational current in AC-1.</p> <p>In either case: neither the making and breaking capacities nor the electrical and mechanical durabilities can be assured.</p>		
	Not to be used				
Shock resistance (2) 1/2 sine wave = 11 ms	Contactor open		9 gn	9 gn	7 gn
	Contactor closed		15 gn	15 gn	15 gn
Vibration resistance (2) 5...300 Hz	Contactor open		2 gn	2 gn	2 gn
	Contactor closed		6 gn	6 gn	5 gn

(1) In these conditions, it is recommended that LX9 F coils be used for contactor sizes F115 to F225.

(2) In the least favourable direction, without change of contact state (coil at Uc). Where higher resistance to mechanical shock is required, select shock-proof contactors. Please consult your Regional Sales Office.

LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800
1000	1000	1000	1000	1000	1000	1000	1000
1500	1500	1500	1500	1500	1500	1500	1500
8	8	8	8	8	8	8	8

EN 60947-1, EN 60947-4-1, IEC 60947-1, IEC 60947-4-1, JEM 1038

CSA, UL, BV, GL, DNV, RINA, RMROS, LROS, CCC

UL, CSA, GL,
LROS

IP 2X front face with shrouds LA9 F

Front face protected against direct finger contact with shrouds LA9 F

"TH"

- 60...+ 80

- 60...+ 80

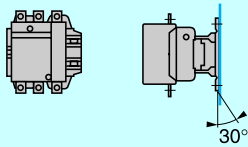
- 5...+ 55

- 5...+ 55

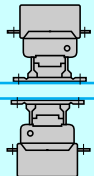
- 40...+ 70

- 5...+ 55

3000



(not to be used for LC1 F780)



Apply the following derating coefficients: 0.75 on the pull-in voltage, 0.9 on the drop-out voltage and 0.8 on the operational current in AC-1.

Apply the following derating coefficients: 1.15 on the pull-in voltage, 1.1 on the drop-out voltage and 0.8 on the operational current in AC-1.

In either case: neither the making and breaking capacities nor the electrical and mechanical durabilities can be assured.



7 gn	6 gn	6 gn	6 gn	9 gn	6 gn	5 gn	6 gn
15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn
2 gn	2 gn	2 gn	1.5 gn	2 gn	2 gn	2.5 gn	2 gn
5 gn	5 gn	5 gn	5 gn	4 gn	4 gn	5.5 gn	4 gn

(1) In these conditions, it is recommended that LX9 F coils be used for contactor sizes F115 to F225.

(2) In the least favourable direction, without change of contact state (coil at Uc). Where higher resistance to mechanical shock is required, select shock-proof contactors. Please consult your Regional Sales Office.

Pole characteristics

Contactor type			LC1 F115	LC1 F150	LC1 F185
Number of poles			3 or 4	3 or 4	3 or 4
Rated operational current (Ie) (Ue ≤ 440 V)	In AC-3, θ ≤ 55 °C	A	115	150	185
	In AC-1, θ ≤ 40 °C	A	200	250	275
Rated operational voltage (Ue)	Up to	V	1000	1000	1000
Frequency limits	Of the operational current (1)	Hz	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200
Conventional thermal current	θ ≤ 40 °C	A	200	250	275
Rated making capacity	I rms conforming to IEC 60947-4-1	A	Making current: 10 x I in AC-3 or 12 x I in AC-4		
Rated breaking capacity	I rms conforming to IEC 60947-4-1	A	Making and breaking current: 8 x I in AC-3 or 10 x I in AC-4		
Maximum permissible current No current flowing for preceding 60 minutes with θ ≤ 40 °C	For 10 s	A	1100	1200	1500
	For 30 s	A	640	700	920
	For 1 min	A	520	600	740
	For 3 min	A	400	450	500
	For 10 min	A	320	350	400
Short-circuit protection by fuses U ≤ 440 V	Motor circuit (type aM)	A	125	160	200
	With thermal overload relay (type gG)	A	200	200	315
	gG fuses	A	200	250	315
Average impedance per pole	At Ith and 50 Hz	mΩ	0.37	0.35	0.33
Power dissipation per pole for the above operational currents	AC-3	W	5	8	12
	AC-1	W	15	22	25
Connection			Maximum c.s.a.		
Bar	Number of bars		2	2	2
	Bar	mm	20 x 3	25 x 3	25 x 3
Cable with lug		mm²	95	120	150
Cable with connector		mm²	95	120	150
Bolt diameter		mm	Ø 6	Ø 8	Ø 8
Tightening torque	Power circuit connections	N.m	10	18	18

(1) Sine wave without interference. Above these values, please consult your Regional Sales Office.

5

LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800
3 or 4	3 or 4	3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4	3 or 4	3
225	265	330	400	500	630	780	800
315	350	400	500	700	1000 1250	1600	1000
1000	1000	1000	1000	1000	1000	1000	1000
16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200	16 ^{2/3} ...200
315	350	400	500	700	1000 1250	1600	1000
Making current: 10 x I in AC-3 or 12 x I in AC-4							
Making and breaking current: 8 x I in AC-3 or 10 x I in AC-4							
1800	2200	2650	3600	4200	5050	6250	5500
1000	1230	1800	2400	3200	4400	5600	4600
850	950	1300	1700	2400	3400	4600	3600
560	620	900	1200	1500	2200	3000	2600
440	480	750	1000	1200	1600	2200	1700
250	315	400	400	500	630	800	800
315	500	500	630	800	800	1000	1000
315	400	500	500	800	1000	2 x 800 (2)	1000
0.32	0.3	0.28	0.26	0.18	0.12	0.10	0.12
16	21	31	42	45	48	60	77
32	37	44	65	88	120	250	120
2	2	2	2	2	2 3	2	2
32 x 4	32 x 4	30 x 5	30 x 5	40 x 5	60 x 5 60 x 5	100 x 5	60 x 5
185	240	240	2 x 150	2 x 240	–	–	–
185	240	–	–	–	–	–	–
∅ 10	∅ 10	∅ 10	∅ 10	∅ 10	∅ 12	2 x ∅ 12	∅ 12
35	35	35	35	35	58	58	58

(2) Paralleling of poles must be carried out only in accordance with the fuse manufacturer's recommendations.

5

TeSys contactors

TeSys LC1 F (115 to 800 A)

Control circuit: a.c. supply

5

Control circuit characteristics with LX1 or LX9 coil				LC1 F115	LC1 F150	LC1 F185
Contact type			V			
Rated control circuit voltage (Uc)	50 or 60 Hz			24...1000		
Control voltage limits ($\theta \leq 55^\circ\text{C}$)						
	50 or 60 Hz coils	Operation		0.85...1.1 Uc		
		Drop-out		0.35...0.55 Uc		
	40...400 Hz coils	Operation		–		
		Drop-out		–		
Average consumption at 20 °C and at Uc						
	~ 50 Hz Inrush	50 Hz coil	VA	550	550	805
		40...400 Hz coil	VA	–	–	–
		Cos φ		0.3	0.3	0.3
	Sealed	50 Hz coil	VA	45	45	55
		40...400 Hz coil	VA	–	–	–
		Cos φ		0.3	0.3	0.3
	~ 60 Hz Inrush	60 Hz coil	VA	660	660	970
		40...400 Hz coil	VA	–	–	–
		Cos φ		0.3	0.3	0.3
	Sealed	60 Hz coil	VA	55	55	66
		40...400 Hz coil	VA	–	–	–
		Cos φ		0.3	0.3	0.3
Heat dissipation			W	12...16	12...16	18...24
Operating time (1)	Closing "C"		ms	23...35	23...35	20...35
	Opening "O"		ms	5...15	5...15	7...15
Mechanical durability at Uc	In millions of operating cycles			10	10	10
Maximum operating rate at ambient temperature $\leq 55^\circ\text{C}$	In operating cycles per hour			2400	2400	2400
Connection				Min/max c.s.a.		
	Flexible conductor without cable end	1 or 2 conductors	mm²	1/4	1/4	1/4
	Flexible conductor with cable end	1 conductor	mm²	1/4	1/4	1/4
		2 conductors	mm²	1/2.5	1/2.5	1/2.5
	Solid cable without cable end	1 or 2 conductors	mm²	1/4	1/4	1/4
Tightening torque			N.m	1.2	1.2	1.2
Mechanical latching	Mechanical latch blocks LA6 DK must not be fitted on LC1 F contactors. For similar type of operation, use magnetic latching contactors CR1 F. See pages 5/208 to 5/235.					

(1) 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.

LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800
24...1000			48...1000		48...1000	110...500	110...400
0.85...1.1 Uc	–						
0.35...0.55 Uc	–						
–	0.85...1.1 Uc		0.85...1.1 Uc		0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc
–	0.35...0.55 Uc		0.3...0.5 Uc		0.25...0.5 Uc	0.2...0.4 Uc	0.3...0.5 Uc
805	–	–	–	–	–	–	–
–	650	650	1075	1100	1650	2100	1700
0.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9
55	–	–	–	–	–	–	–
–	10	10	15	18	22	50	12
0.3	0.9	0.9	0.9	0.9	0.9	0.9	–
970	–	–	–	–	–	–	–
–	650	650	1075	1100	1650	2100	1700
0.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9
66	–	–	–	–	–	–	–
–	10	10	15	18	22	50	12
0.3	0.9	0.9	0.9	0.9	0.9	0.9	–
18...24	8	8	14	18	20	2 x 22	25
20...35	40...65	40...65	40...75	40...75	40...80	40...80	60...80
7...15	100...170	100...170	100...170	100...170	100...200	130...230	150...180
10	10	10	10	10	5	5	5
2400	2400	2400	2400	2400	1200	600	600
Min/max c.s.a.							
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

Mechanical latch blocks LA6 DK must not be fitted on LC1 F contactors.
For similar type of operation, use magnetic latching contactors CR1 F.
See pages 5/208 to 5/235.

5

TeSys contactors

TeSys LC1 F (115 to 800 A)

Control circuit: d.c. supply

Control circuit characteristics with LX4 coil

Contactor type			LC1 F115	LC1 F150	LC1 F185	
Rated control circuit voltage (Uc)	---	V	24...460	24...460	24...460	
Control voltage limits (θ ≤ 55 °C)	Operation		0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	
	Drop-out		0.15...0.2 Uc	0.15...0.2 Uc	0.15...0.2 Uc	
Average consumption at 20 °C and at Uc	---	Inrush	W	560	560	800
		Sealed	W	4,5	4,5	5
Average operating time at Uc (1)	Closing "C"	ms	30...40	30...40	30...40	
	Opening "O"	ms	30...50	30...50	30...50	
			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.			
Mechanical durability at Uc	In millions of operating cycles		10	10	10	
Maximum operating rate at ambient temperature ≤ 55 °C	In operating cycles per hour		2400	2400	2400	
Connection	Flexible conductor without cable end	1 conductor	mm²	Min/max c.s.a. 1/4	1/4	1/4
		2 conductors	mm²	1/4	1/4	1/4
	Flexible conductor with cable end	1 conductor	mm²	1/4	1/4	1/4
		2 conductors	mm²	1/2.5	1/2.5	1/2.5
	Solid cable without cable end	1 conductor	mm²	1/4	1/4	1/4
		2 conductors	mm²	1/4	1/4	1/4
Tightening torque		N.m	1.2	1.2	1.2	
Mechanical latching	Mechanical latch blocks LA6 DK must not be fitted on LC1 F contactors. For similar type of operation, use magnetic latching contactors CR1 F. See pages 5/208 to 5/235.					

(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.

5

LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800
24...460	24...460	24...460	48...440	48...440	48...440	110...440	110...400
0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc	0.85...1.1 Uc
0.15...0.2 Uc	0.15...0.2 Uc	0.15...0.2 Uc	0.2...0.35 Uc	0.2...0.35 Uc	0.2...0.35 Uc	0.2...0.4 Uc	0.3...0.5 Uc
800	750	750	1000	1100	1600	2 x 1000	1900
5	5	5	6	6	9	2 x 21	12
30...40	40...50	40...50	50...60	50...60	60...70	70...80	60...80
30...50	40...65	40...65	45...60	45...60	40...50	100...130	40...50
Nota : 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.							
10	10	10	10	10	5	5	5
2400	2400	2400	2400	2400	1200	600	600
Min/max c.s.a.							
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5	1/2.5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

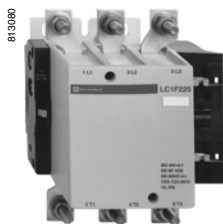
Mechanical latch blocks LA6 DK must not be fitted on LC1 F contactors.
For similar type of operation, use magnetic latching contactors CR1 F.
See pages 5/208 to 5/235.

(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.

TeSys contactors

For motor control in utilisation category AC-3
(115 to 800 A)

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



LC1 F225



LC1 F630

3-pole contactors

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3							Rated operational current in cat. AC-3	Basic reference, to be completed by adding the voltage code (2)	Weight
220 V 380 V 660 V 440 V up to							A	Screw fixing, cabling (1)	kg
kW	kW	kW	kW	kW	kW	kW			
30	55	59	59	75	80	65	115	LC1 F115●●	3.430
40	75	80	80	90	100	65	150	LC1 F150●●	3.430
55	90	100	100	110	110	100	185	LC1 F185●●	4.650
63	110	110	110	129	129	100	225	LC1 F225●●	4.750
75	132	140	140	160	160	147	265	LC1 F265●●	7.440
100	160	180	200	200	220	160	330	LC1 F330●●	8.600
110	200	220	250	257	280	185	400	LC1 F400●●	9.100
147	250	280	295	355	335	335	500	LC1 F500●●	11.350
200	335	375	400	400	450	450	630	LC1 F630●●	18.600
220	400	425	425	450	475	450	780	LC1 F780●●	39.500
250	450	450	450	450	475	450	800	LC1 F800●●	18.750

Nota : auxiliary contact blocks, modules and accessories: see pages 5/110 to 5/115.

(1) Power terminals can be protected against direct finger contact by the addition of shrouds, to be ordered separately, except on contactors LC1 F780 (see page 5/114).

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

Volts ~	24	48	110	115	120	208	220	230	240	380	400	415	440
LC1 F115...F225													
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	-	-	R6
40...400 Hz (coil LX9)	-	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7
LC1 F265...F330													
40...400 Hz (coil LX1)	B7	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7
LC1 F400...F630													
40...400 Hz (coil LX1)	-	E7	F7	FE7	G7(3)	L7	M7	P7	U7	Q7	V7	N7	R7
LC1 F780													
40...400 Hz (coil LX1)	-	-	F7	FE7	F7	L7	M7	P7	U7	Q7	V7	N7	R7
LC1 F800													
40...400 Hz (coil LX4) (4)	-	-	FW	FW	FW	-	MW	MW	MW	QW	QW	QW	-
Volts =	24	48	110	125	220	230	250	400	440				
LC1 F115...F330 (coil LX4 F)	BD	ED	FD	GD	MD	MD	UD	-	RD				
LC1 F400...F630 (coil LX4 F)	-	ED	FD	GD	MD	-	UD	-	RD				
LC1 F780 (coil LX4 F)	-	-	FD	GD	MD	-	UD	-	RD				
LC1 F800 (coil LX4 F)	-	-	FW	FW	MW	MW	-	QW	-				

(3) F7 for LC1 F630.

(4) Coil LX4 F8●● + rectifier DR5STE●●.

TeSys contactors

For control in utilisation category AC-1

(200 to 1600 A)

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



LC1 F1854





LC1 F4004



LC1 F6304

2, 3 or 4-pole contactors

Maximum current in AC-1 ($\theta \leq 40$ °C)	Number of poles  	Basic reference, to be completed by adding the voltage code (2) Screw fixing, cabling (1)	Weight kg
200	3	LC1 F115●●	3.430
	4	LC1 F1154●●	3.830
250	3	LC1 F150●●	3.430
	4	LC1 F1504●●	3.830
275	3	LC1 F185●●	4.650
	4	LC1 F1854●●	5.450
315	3	LC1 F225●●	4.750
	4	LC1 F2254●●	5.550
350	3	LC1 F265●●	7.440
	4	LC1 F2654●●	8.540
400	3	LC1 F330●●	8.600
	4	LC1 F3304●●	9.500
500	2	LC1 F4002●●	8.000
	3	LC1 F400●●	9.100
	4	LC1 F4004●●	10.200
700	2	LC1 F5002●●	9.750
	3	LC1 F500●●	11.350
	4	LC1 F5004●●	12.950
1000	2	LC1 F6302●●	15.500
	3	LC1 F630●●	18.600
	4	LC1 F6304●●	21.500
1250	2	LC1 F6302●●S011	15.500
	3	LC1 F630●●S011	18.600
	4	LC1 F6304●●S011	21.500
1600	3	LC1 F780●●	39.500
	4	LC1 F7804●●	48.000

Nota : auxiliary contact blocks, modules and accessories: see pages 5/110 to 5/115.

(1) Power terminals can be protected against direct finger contact by the addition of shrouds, to be ordered separately (except on contactors **LC1 F780**), see page 5/114.

(2) Standard control circuit voltages, see previous page.