

TeSys™ F-Line Contactors and Starters

Selection – Contactors



LC1F225



LC1F630

Control Circuit: AC or DC
Kilowatt Ratings for International Applications

2-, 3-, and 4-Pole Contactors

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3							Maximum current ($\theta \leq 40^\circ\text{C}$ [104 °F])		Number of poles	Catalog Number ▲ ▼ Panel mount with screws ■	Weight lb (kg)
220 V 230 V	380 V 400 V	415 V	440 V	660 V 500 V	690 V	1000 V	AC-3 up to 400 V	AC-1 up to 400 V			
kW	kW	kW	kW	kW	kW	kW	A	A			
30	55	59	59	75	80	65	115	200	3	LC1F115●●	7.56 (3.430)
									4	LC1F1154●●	8.44 (3.830)
40	75	80	80	90	100	65	150	250	3	LC1F150●●	7.56 (3.430)
									4	LC1F1504●●	8.44 (3.830)
55	90	100	100	110	110	100	185	275	3	LC1F185●●	10.2 (4.650)
									4	LC1F1854●●	12.0 (5.450)
63	110	110	110	129	129	100	225	315	3	LC1F225●●	10.5 (4.750)
									4	LC1F2254●●	12.2 (5.550)
75	132	140	140	160	160	147	265	350	3	LC1F265●●	16.4 (7.440)
									4	LC1F2654●●	18.8 (8.540)
100	160	180	200	200	220	160	330	400	3	LC1F330●●	18.9 (8.600)
									4	LC1F3304●●	20.9 (9.500)
110	200	220	250	257	280	185	400	500	2	LC1F4002●●	17.6 (8.000)
									3	LC1F400●●	20.0 (9.100)
									4	LC1F4004●●	22.5 (10.200)
147	250	280	295	355	335	335	500	700	2	LC1F5002●●	21.5 (9.750)
									3	LC1F500●●	25.0 (11.350)
									4	LC1F5004●●	28.5 (12.950)
200	335	375	400	400	450	450	630	1000	2	LC1F6302●●	34.2 (15.500)
									3	LC1F630●●	41.0 (18.600)
									4	LC1F6304●●	47.4 (21.500)
220	400	425	425	450	475	450	780	1600	3	LC1F780●●	87.1 (39.500)
									4	LC1F7804●●	105.8 (48.000)
250	450	450	450	450	475	450	800	1000	3	LC1F800●●	41.3 (18.750)

Note: For auxiliary contact blocks and modules (see pages 195 to 196).

- The power terminals may be protected by the addition of shrouds, to be ordered separately except **LC1F780**. For power terminal lugs, see page 199.
- ▲ Use voltage codes on page 200 "Voltage Codes Table" to complete catalog number.

- ▼ The following coil types include one normally open holding circuit contact incorporated in the design of the coil for 3-wire control applications:

LX1FF, FG, FJ, FK, FL, LX1FX0422 to FH3802. The following coil types require an additional LA•DN1•, LADN2•, LADN31, or LADN4.

Auxiliary contact block: LX1FH0202 to 0362, LX1FH4402 to 10002, LX8F8•W, LX1FX, LX1FX, LX9FF, FG, LX9FH●●2, LX9FJ, FK, FL, LX4FF, FG FH, FJ, FK, FL.

TeSys™ F-Line Contactors and Starters

Selection – Contactors



LC1F225



LC1F630

Control Circuit: AC or DC
Horsepower Ratings for North American Applications

2-, 3-, and 4-Pole Contactors

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3				Maximum current (θ ≤ 40 °C [104 °F])		Number of poles	Catalog Number ▲ ▼	Weight lb (kg)
				AC-3	AC-1			
200 V 208 V	220 V 240 V	460 V 480 V	575 V 600 V				Panel mount with screws ■	
HP	HP	HP	HP	A	A			
30	40	75	100	115	200	3	LC1F115●●	7.56 (3.430)
						4	LC1F1154●●	8.44 (3.830)
40	50	100	125	150	250	3	LC1F150●●	7.56 (3.430)
						4	LC1F1504●●	8.44 (3.830)
50	60	125	150	185	275	3	LC1F185●●	10.2 (4.650)
						4	LC1F1854●●	12.0 (5.450)
Current Rated				225	315	3	LC1F225●●	10.5 (4.750)
						4	LC1F2254●●	12.2 (5.550)
60	75	150	175	265	350	3	LC1F265●●	16.4 (7.440)
						4	LC1F2654●●	18.8 (8.540)
75	100	200	250	330	400	3	LC1F330●●	18.9 (8.600)
						4	LC1F3304●●	20.9 (9.500)
100	125	250	300	400	500	2	LC1F4002●●	17.6 (8.000)
						3	LC1F400●●	20.0 (9.100)
						4	LC1F4004●●	22.5 (10.200)
150	200	400	500	500	700	2	LC1F5002●●	21.5 (9.750)
						3	LC1F500●●	25.0 (11.350)
						4	LC1F5004●●	28.5 (12.950)
250	300	600	800	630	1000	2	LC1F6302●●	34.2 (15.500)
						3	LC1F630●●	41.0 (18.600)
						4	LC1F6304●●	47.4 (21.500)
Current Rated				780	1600	3	LC1F780●●	87.1 (39.500)
						4	LC1F7804●●	105.8 (48.000)
—	450	800	900	800	1000	3	LC1F800●●	41.3 (18.750)

Note: For auxiliary contact blocks and modules (see pages 195 to 196).

- The power terminals may be protected by the addition of shrouds, to be ordered separately except **LC1F780**. For power terminal lugs, see page 199.
- ▲ Use voltage codes on page 200 "Voltage Codes Table" to complete catalog number.
- ▼ The following coil types include one normally open holding circuit contact incorporated in the design of the coil for 3-wire control applications:
LX1FF, FG, FJ, FK, FL, LX1FX0422 to FH3802. The following coil types require an additional LA•DN1•, LADN2•, LADN31, or LADN4.
Auxiliary contact block: LX1FH0202 to 0362, LX1FH4402 to 10002, LX8F8•W, LX1FX, LX1FX, LX9FF, FG, LX9FH●●•2, LX9FJ, FK, FL, LX4FF, FG FH, FJ, FK, FL.

TeSys™ F-Line Contactors and Starters

F-line Voltage Code Table

F-line Voltage Code

Voltage	Frequency	F-line (see notes at end of table)				
		LC1F115 - F225 Note F1, F2	LC1F265 - F400 Note F1, F2	LC1F500 - F630 Note F1, F2	LC1F780 Note F1, F2	LC1F800 Note F1, F2, F3
220	50/60	-	-	-	-	-
	50	M5	-	-	-	-
	60	M6	-	-	-	-
	40-400	M7	M7	M7	M7	-
	DC	-	MD	MD	MD	-
	Low Consump DC	-	-	-	-	-
	Wide Range DC	-	-	-	-	-
220/230	50/60	-	-	-	-	-
	50	-	-	-	-	-
	60	-	-	-	-	-
	40-400	-	-	-	-	-
	DC	MD	-	-	-	-
220/240	40-400	-	-	-	-	P7
	DC	-	-	-	-	MW
230	50/60	-	-	-	-	-
	50	P5	-	-	-	-
	60	-	-	-	-	-
	40-400	P7	P7	P7	P7	-
	DC	-	-	-	-	-
230/240	50/60	-	-	-	-	-
240	50/60	-	-	-	-	-
	50	U5	-	-	-	-
	60	U6	-	-	-	-
	40-400	U7	U7	U7	U7	-
	DC	-	-	-	-	-
250	DC	UD	UD	UD	UD	-
	Low Consump DC	-	-	-	-	-
256	50/60	-	-	-	-	-
	50	-	-	-	-	-
277	50/60	-	-	-	-	-
	50	W5	-	-	-	-
	40-400	-	W7	W7	W7	-
380	50/60	-	-	-	-	-
	50	Q5	-	-	-	-
	60	Q6	-	-	-	-
	40-400	Q7	Q7	Q7	Q7	-
380/400	50/60	-	-	-	-	-
	50	-	-	-	-	-
	60	-	-	-	-	-
	40-400	-	-	-	-	-
	DC	-	-	-	-	QW
380/440	40-400	-	-	-	-	V7

F-line Voltage Code

Voltage	Frequency	F-line (see notes at end of table)				
		LC1F115 - F225 Note F1, F2	LC1F265 - F400 Note F1, F2	LC1F500 - F630 Note F1, F2	LC1F780 Note F1, F2	LC1F800 Note F1, F2, F3
400	50/60	-	-	-	-	-
	50	V5	-	-	-	-
	40-400	V7	V7	V7	V7	-
400/415	50/60	-	-	-	-	-
415	50/60	-	-	-	-	-
	50	N5	-	-	-	-
	40-400	N7	N7	N7	N7	-
415-440	50	-	-	-	-	-
	40-400	-	-	-	-	-
440	50/60	-	-	-	-	-
	50	-	-	-	-	-
	60	R6	-	-	-	-
	40-400	R7	R7	R7	R7	-
	DC	-	RD	RD	RD	-
440/460	DC	RD	-	-	-	-
460/480	60	Q5	-	-	-	-
480	50/60	-	-	-	-	-
	50	-	-	-	-	-
	60	-	-	-	N7	-
	40-400	-	S7, Note F4	-	-	-
500	50/60	-	-	-	-	-
	50	S5	-	-	-	-
	40-400	S7	S7	S7	S7	-
575	50/60	-	-	-	-	-
	60	-	-	-	-	-
600	50/60	-	-	-	-	-
	60	-	-	-	-	-
	40-400	-	-	X7	-	-
660	50	-	-	-	-	-
	60	Y6	-	-	-	-
660/690	50/60	-	-	-	-	-

F-line Notes:

- F1 For operating ranges refer to technical data section of the F-line contactors. Ranges vary as a function of the supply (AC/DC).
F2 For non-stock voltage codes, order contactor and coil separately. See page 234 for coils.
F3 Built in surge suppressor included on LC1F800 coils.
F4 For use with LC1F265 and LC1F330 only.
F5 For LC1F400 contactor with 120 Vac coil, use F7 code.