

TeSys™ F Catalog Number Interpretation

Table 18.30: TeSys F Contactors—Interpretation of the Catalog Number^[53]

LC		F				
Full Voltage, Non-Reversing		1				
Full Voltage, Reversing		2				
TeSys F 2, 3, and 4 Pole Contactors 115–800 A						
Contactor AC-3 Full Load Amperes (FLA)						
115 A FLA				115		
150 A FLA				150		
185 A FLA				185		
225 A FLA				225		
265 A FLA				265		
330 A FLA				330		
400 A FLA				400		
500 A FLA				500		
630 A FLA				630		
780 A FLA				780		
800 A FLA				800		
Number of Poles						
2 Poles (400 A, 500 A, and 630 A only)				2		
3 Poles (all sizes)				Blank		
4 Poles (all sizes except 800 A)				4		
Termination Options—Purchase Lugs Separately						Blank
Coil Voltage (choose one, noting the contactor size it can be used on)						

AC Coil Voltage	Coil Code	For use on:	AC Coil Voltage	Coil Code	For use on:
24 V (60 Hz)	B6	LC1F115–F225	230 V (40–400 Hz)	P7	LC1F115–F800, F1700–F2100
24 V (40–400 Hz)	B7	LC1F225–F400	240 V (40–400 Hz)	U7	LC1F115–F780, F1700–F2100
48 V (40–400 Hz)	E7	LC1F115–F630	277 V (40–400 Hz)	W7	LC1F115–F780, F1700–F2100
110 V	F7	LC1F1700, F2100	380 V (40–400 Hz)	Q7	LC1F115–F780, F1700–F2100
110 V (40–400 Hz)	F7	LC1F115–F780	400 V (40–400 Hz)	V7	LC1F115–F800, F1700–F2100
115 V (40–400 Hz)	FE7	LC1F115–F780	415 V (40–400 Hz)	N7	LC1F115–F780, F1700–F2100
120 V (40–400 Hz)	G7	LC1F115–F400	440 V (40–400 Hz)	R7	LC1F115–F780, F1700–F2100
120 V (40–400 Hz)	F7	LC1F500–F780, F170–F2100	480 V (40–400 Hz)	N7	LC1F780
127 V (40–400 Hz)	G7	LC1F115–F780	500 V (40–400 Hz)	S7	LC1F115–F780, F1700–F2100
200/208 V (40–400 Hz)	L7	LC1F265–F780	600 V (40–400 Hz)	X7	LC1F500–F630
208 V (40–400 Hz)	L7	LC1F115–F225	600 V (60 Hz)	X6	LC1F115–F225
220 V (40–400 Hz)	M7	LC1F115–F780, F1700–F2100			

DC Coil Voltage	Coil Code	For use on:
24 V	BD	LC1F115–F400
48 V	ED	LC1F115–F630
110 V	FD	LC1F115–F780, LC1F1700–F2100
110 V	FW	LC1F800
125 V	GD	LC1F115–F780, LC1F1700–F2100
220 V	MD	LC1F265–F780
220/240 V	MW	LC1F800
250 V	UD	LC1F115–F780, LC1F1700–F2100
380/400 V	QW	LC1F800
440 V	RD	LC1F115–F780, LC1F1700–F2100

^[53] Use this table **only** to interpret current catalog numbers. Some combinations are not available.

TeSys™ F Non-Reversing Contactors

Table 18.31: TeSys F Contactors—2, 3, and 4 Pole

	Maximum Three-Phase Horsepower Ratings				Maximum Current (A)		Continuous Current Rating (A)	Number of Poles	Catalog Number [54]
	200 V	230 V	460 V	575 V	Inductive AC-3	Resistive AC-1			
 LC1F330	30	40	75	100	115	200	175	3	LC1F115
								4	LC1F1154
	40	50	100	125	150	250	200	3	LC1F150
								4	LC1F1504
	50	60	125	150	185	275	200	3	LC1F185
								4	LC1F1854
	60	75	150	150	225	315	250	3	LC1F225
								4	LC1F2254
	60	75	150	200	265	350	285	3	LC1F265
								4	LC1F2654
 LC1F1700, F2100	75	100	200	250	330	400	370	3	LC1F330
								4	LC1F3304
	100	125	250	300	400	500	420	2	LC1F4002
								3	LC1F400
								4	LC1F4004
	150	200	400	500	500	700	700	2	LC1F5002
								3	LC1F500
								4	LC1F5004
	250	300	600	800	630	1000	1000	2	LC1F6302
								3	LC1F630
Current Rated	350	400	800	900	800	1000	1000	4	LC1F6304
								3	LC1F800
	—	450	900	900	780	1600	1350	3	LC1F780
								4	LC1F7804
						1400	1400	3	LC1F1400
						1700	1700	3	LC1F1700
						2100	2100	3	LC1F2100

Table 18.32: TeSys F Coil Voltage Codes [55]

Contactor	Hz	Coil Prefix	24 V	48 V	110 V	120 V	208 V	220 V	240 V	440 V	480 V	600 V
AC												
F115, F150, F185, and F225	60	LX1	B6	—	—	—	—	—	—	—	—	X6
	40–400	LX9	—	E7	F7	G7	L7	M7	U7	R7	S7	—
F265 and F330	40–400	LX1	B7	E7	F7	G7	L7	M7	U7	R7	S7	X7
F400–F780	40–400	LX1	—	E7	F7	G7	L7	M7	U7	R7	S7	X7 [56]
F1400–F2100	40–400	LX1	—	—	F7	G7	L7	M7	U7	R7	S7	—
Contactor	Coil Prefix		24 V	48 V	110 V	125 V	220 V	250 V	440 V			
DC [57]												
F115–F330	LX4		BD	ED	FD	GD	MD	UD	RD			
F400–F630	LX4		—	ED	FD	GD	MD	UD	RD			
F780, F1400–F2100	LX4		—	—	FD	GD	MD	UD	RD			

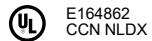
Table 18.33: Coil Voltage Codes for AC and DC Voltages for F800 (includes built-in surge suppressor)

Vac/Vdc	Hz	Coil Prefix	110 V	120 V	127 V	220 V	240 V	380 V	400 V	415 V
Code	40–400	LX4	FW	FW	FW	MW	MW	QW	QW	QW

TeSys™ F Overload Relays

Table 18.34: TeSys F 3-Phase Overload Relays—Solid State, Separate Mounting [58]

Current Setting Range A	For Direct Mounting to Contactor LC1••••	Class 10 Catalog Number	Class 20 Catalog Number	Class 10/20 Selectable Catalog Number
30–50	F115–F185	LR9F5357	LR9F5557	LR9F57
48–80	F115–F185	LR9F5363	LR9F5563	LR9F63
60–100	F115–F185	LR9F5367	LR9F5567	LR9F67
90–150	F115–F185	LR9F5369	LR9F5569	LR9F69
132–220	F185[59]–F400	LR9F5371	LR9F5571	LR9F71
200–330	F225–F500	LR9F7375	LR9F7575	LR9F75
300–500	F330–F500	LR9F7379	LR9F7579	LR9F79
380–630	F400–F630, F800	LR9F7381	LR9F7581	LR9F81



E164862
CCN NLDX



LR43364
Class 3211 04



TeSys F contactor accessories: [page 18-15](#)
TeSys F overload relay accessories: [page 18-21](#)
TeSys F replacement coils and parts: [page 18-57](#), [page 18-53](#), and [page 18-56](#)
TeSys F dimensions: [page 18-62](#) and [page 18-70](#)

[54] Complete the catalog number with the coil voltage code from [Table 18.32](#) and [Table 18.33](#) (for example, LC1F115G7). All coils except F780 include 1 N.O. holding circuit interlock contact. The F780 uses 2 coils that must be wired in series.

[55] For additional voltage codes refer to the Control and Protection Components Catalog [MKTED210011EN](#).

[56] Not available for LC1F780. The 600 V coils for LC1F400–LC1F630 do not include an auxiliary contact for holding circuits.

[57] DC coils for 3-pole contactors are fitted with built-in surge suppression as standard.

[58] When mounting overload relays LR9F5•71–LR9F5•71 and LR9F57–LR9F71 directly beneath the contactor, supporting the relays with a mounting plate is recommended. With overload relays LR9F7•75–LR9F7•81 and LR9F75–LR9F81, use of a support mounting plate is mandatory. Refer to [page 18-21](#).

[59] Interconnection kit LA7F407 is required to mount an LR9F5•71 and LR9F71 to an LC1F185.