

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 [53] Panel Mount with Screws	
	200 V	230 V	460 V	575 V	Inductive AC-3	Resistive AC-1				
 LC1F330	30	40	75	100	115	200	175	3	LC1F115	
	40	50	100	125	150	250	200	4	LC1F1154	
								3	LC1F150	
	50	60	125	150	185	275	200	4	LC1F1504	
								3	LC1F185	
	60	75	150	200	225	315	250	4	LC1F1854	
								3	LC1F225	
	60	75	150	200	265	350	285	4	LC1F2254	
								3	LC1F265	
	75	100	200	250	330	400	370	4	LC1F2654	
3								LC1F330		
100	125	250	300	400	500	420	4	LC1F3304		
							2	LC1F4002		
 LC1F1700, F2100	150	200	400	500	500	700	700	3	LC1F400	
								4	LC1F4004	
	250	300	600	800	630	1000	1000	2	LC1F5002	
								3	LC1F500	
	350	400	800	900	800	1000	1000	4	LC1F5004	
								3	LC1F5004	
	—	450	900	900	780	1600	1350	2	LC1F6302	
								3	LC1F630	
	Current Rated								4	LC1F6304
									3	LC1F800
								3	LC1F780	
								4	LC1F7804	
								3	LC1F1400	
								3	LC1F1700	
								3	LC1F2100	

Table 18.32: TeSys F Coil Voltage Codes [54]

Contactor	Hz	Coil Prefix	24 V	48 V	110 V	120 V	208 V	220 V	240 V	440 V	480 V
AC											
F115, F150, F185, and F225	50	LX1	B5	E5	F5	—	—	M5	U5	—	—
	60	LX1	B6	E6	F6	G6	L6	M6	U6	R6	Q5
	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
F400–F780	40–400	LX1	—	E7	F7	G7	L7	M7	U7	R7	S7
F1400–F2100	40–400	LX1	—	—	F7	G7	L7	M7	U7	R7	S7
DC [55]											
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		

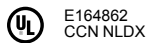
Table 18.33: Coil Voltage Codes for AC and DC Voltages for F800 (includes built-in surge suppressor)

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 [56]

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[57]–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: TeSys™ D and F Accessories, page 18-16
 TeSys F overload relay accessories: TeSys F Overload Relay Accessories, page 18-22
 TeSys F replacement coils and parts: TeSys F Contact Kits, Arc Chambers, page 18-48, TeSys F AC Coils, page 18-44, and TeSys F DC Coils, page 18-47
 TeSys F dimensions: TeSys F Contactors, Dimensions, page 18-53, TeSys™ F Overload Relay Dimensions, page 18-61

[53] Complete the catalog number with the coil voltage code from Table 18.32 TeSys F Coil Voltage Codes, page 18-12 and Table 18.33 Coil Voltage Codes for AC and DC Voltages for F800, page 18-12 (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.

[54] For additional voltage codes refer to the Control and Protection Components Catalog MKTED210011EN.

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

[56] When mounting overload relays LR9F5•57–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 TeSys F Overload Relay Accessories, page 18-22.

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