

TeSys™ D Catalog Number Interpretation

Table 18.21: TeSys D Contactors—Interpretation of the Catalog Number [36]

LC	D						
Full Voltage, Non-Reversing	1						
Full Voltage, Reversing	2						
<b>TeSys D 3 Pole Contactors, 9–150 A</b>							
<b>Contactor AC-3 Full Load Amperes (FLA)</b>							
9 A FLA			09				
12 A FLA			12				
18 A FLA			18				
25 A FLA			25				
32 A FLA			32				
38 A FLA			38				
40 A FLA			40				
50 A FLA			50				
65 A FLA			65				
80 A FLA			80				
95 A FLA			95				
115 A FLA			115				
150 A FLA			150				
<b>Everlink Power Connection</b>							
With Everlink Power Connection (40–65 A only)				A			
No Everlink Power Connection (9–38 A, 80–150 A)				Blank			
<b>Termination Options (choose one)</b>							
Screw Termination					Blank		
Spring Terminations [37]					3		
Ring Tongue Terminations [38]					6		
Slip-on Terminations (9–12 A only)					9		
<b>Coil Voltage (choose one)</b>							
<b>AC Coils (50/60 Hz)</b>		<b>DC Low Consumption Coils 9–38 A only</b>		<b>AC/DC Electronic Coils 9–38 A, 40–65 A Everlink only</b>		<b>DC Coils (Standard)</b>	
<b>Voltage</b>	<b>Coil Code</b>	<b>Voltage</b>	<b>Coil Code</b>	<b>Voltage</b>	<b>Coil Code</b>	<b>Voltage</b>	<b>Coil Code</b>
12 V	J7	5 V	AL	24–60 V	BNE	12 V	JD
21 V	Z7	12 V	JL	48–130 V	EHE	21 V	ZD
24 V	B7	21 V	ZL	100–250 V	KUE	24 V	BD
36 V	C7	24 V	BL	250–415 Vac	USE[39]	36 V	CD
42 V	D7	48 V	EL	250–500 Vdc		48 V	ED
48 V	E7	72 V	SL			60 V	ND
60 V	EE7	96 V	DL			72 V	SD
100 V	K7	110 V	FL			110 V	FD
110 V	F7	220 V	ML			125 V	GD
115 V	FE7	250 V	UL			220 V	MD
120 V	G7	<b>DC Electronic Low Consumption Coils 40–65 A Everlink only</b>				250 V	UD
127 V	FC7	<b>Voltage</b>	<b>Coil Code</b>			440 V	RD
200 V	L7	24 V	BBE				
208 V	LE7						
220 V	M7						
230 V	P7						
240 V	U7						
277 V	W7						
380 V	Q7						
400 V	V7						
415 V	N7						
440 V	R7						
480 V	T7						
500 V	S7						
575 V	SC7						
600 V	X7						
660 V	Y5 (50 Hz only)						

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

[37] For spring terminal versions of LC1D09–LC1D65A, add **3** to the catalog number prior to adding the voltage code (for example, LC1D12G7 becomes LC1D123G7, and LC1D40AG7 becomes LC1D40A3G7. Note that 40–65 A spring terminals are only on the control terminations and not on power terminations).

[38] For ring tongue versions of LC1D09–LC1D65A and LC1DT20–LC1DT80A, add **6** to the catalog number prior to adding the voltage code (for example, LC1D09G7 becomes LC1D096G7, and LC1D50AG7 becomes LC1D50A6G7).

[39] Available in 2018.

**TeSys™ D Non-Reversing Contactors**



**Table 18.22: TeSys D Contactors—3 or 4 Pole, Screw Terminal Connections**

Maximum Horsepower Ratings						Maximum Current (A)		Continuous Current Rating (A)	No. of Poles		Instantaneous Auxiliary Contacts		Catalog Number [40]
Single-Phase		Three-Phase				Inductive AC3	Resistive AC1		N.O.	N.C.	N.O.	N.C.	
115 V	230 V	200 V	230 V	460 V	575 V								
1/3	1	2	2	5	7.5	9	20	25	3	0	1	1	LC1D09 [41][42][43]
—	—	—	—	—	—	—			4				4
—	—	—	—	—	—	—	25	25	2	0	1	1	LC1D098 [41]
1/2	2	3	3	7.5	10	12			3				3
—	—	—	—	—	—	—	32	32	4	0	1	1	LC1DT25 [41]
—	—	—	—	—	—	—			2				2
1	3	5	5	10	15	18	40	40	3	0	1	1	LC1D18 [41][42]
—	—	—	—	—	—	—			4				4
—	—	—	—	—	—	—	50	50	2	0	1	1	LC1D188 [41]
2	3	7.5	7.5	15	20	25			3				3
—	—	—	—	—	—	—	60	60	4	0	1	1	LC1D40 [41]
—	—	—	—	—	—	—			2				2
2	5	10	10	20	25	32	80	80	3	0	1	1	LC1D32 [41][42]
2	5	10	10	20	25	38			3				3
3	5	10	10	30	30	40	125	110	3	0	1	1	LC1D40A [41]
—	—	—	—	—	—	—			4				4
3	7.5	15	15	40	40	50	200	160	3	0	1	1	LC1D50A [41]
5	10	20	20	40	50	65			3				3
—	—	—	—	—	—	—	200	160	4	0	0	0	LC1D80A [41]
7.5	15	25	30	60	60	80			3				3
—	—	—	—	—	—	—	200	160	4	0	0	0	LC1D80004 [44]
—	—	—	—	—	—	—			2				2
7.5	15	25	30	60	60	95	200	160	3	0	1	1	LC1D95
—	—	30	40	75	100	115			3				3
—	—	40	50	100	125	150	200	160	3	0	1	1	LC1D150
—	—	—	—	—	—	—			4				4

**Table 18.23: TeSys D Coil Voltage Codes [45]**

Contactor	Hz	24 V	48 V	110 V	120 V	125 V	208 V	220 V	240 V	250 V	440 V	480 V	600 V
<b>AC</b>													
D09–D150	50/60	B7	E7	F7	G7	—	LE7	M7	U7	—	—	T7 [46]	X7 [46]
LC1D80–LC1D150	50	B5	E5	F5	—	—	—	M5 [46]	U5	—	—	—	—
	60	B6	E6	F6	G6	—	L6	M6	U6	—	—	T6	X6 [46]
<b>DC</b>													
D09–D38, DT20–D258 Low Consumption	—	BL	EL	FL	—	—	—	ML	—	UL	—	—	—
D09–D150	—	BD	ED	FD	—	GD	—	MD	—	UD	RD	—	—

[40] Complete the catalog number by adding the coil voltage code from Table 18.23 for example, LC1D09G7.  
 [41] For ring tongue versions of LC1D09–LC1D65A and LC1DT20–LC1DT80A, add 6 to the catalog number prior to adding the voltage code (for example, LC1D09G7 becomes LC1D096G7 and LC1D50AG7 becomes LC1D50A6G7).  
 [42] For spring terminals versions of LC1D09–LC1D65A, add 3 to the catalog number prior to adding the voltage code (for example, LC1D12G7 becomes LC1D123G7 and LC1D40AG7 becomes LC1D40A3G7. Note that 40–65 A spring terminals are only on the control terminations and not on power terminations).  
 [43] For slip-on connector versions of LC1D09 and LC1D12 only, add 9 to the catalog number prior to adding the voltage code (for example, LC1D09G7 becomes LC1D099G7).  
 [44] For DC version of these devices, replace the C with a P (for example, LC1D80004\*\* becomes LP1D80004\*\*). This applies only to 80 A, 4-pole devices.  
 [45] For additional voltage codes refer to the Control and Protection Components Catalog MKTED210011EN.  
 [46] Not available for LC1D80–LC1D150.

TeSys™ D Overload Relays

Table 18.24: TeSys D Overload Relays—Ambient Compensated, Bimetallic, Direct Mounting

Current Setting Range (A)	For Direct Mounting to LC1D/LC2D...	Class 10 with Single-Phase Sensitivity	Class 10 without Single-Phase Sensitivity	Class 20 with Single-Phase Sensitivity	Class 20 without Single-Phase Sensitivity
0.10–0.16	D09–D38	LRD01	LR3D01	—	—
0.16–0.25		LRD02	LR3D02	—	—
0.25–0.40		LRD03	LR3D03	—	—
0.40–0.63		LRD04	LR3D04	—	LR3D04L
0.63–1		LRD05	LR3D05	LRD04L	LR3D05L
1–1.6		LRD06	LR3D06	LRD05L	LR3D06L
1.6–2.5		LRD07	LR3D07	LRD06L	LR3D07L
2.5–4		LRD08	LR3D08	LRD07L	LR3D08L
4–6		LRD10	LR3D10	LRD08L	LR3D09L
5.5–8		LRD12	LR3D12	LRD10L	LR3D10L
7–10		LRD14	LR3D14	LRD12L	LR3D12L
9–13		D12–D38	LRD16	LRD14L	LR3D14L
12–18		D18–D38	LRD21	LRD16L	LR3D16L
16–24			LRD22	LRD21L	LR3D21L
17–24	—	—	LRD22L	LR3D22L	
23–32	D25–D38	LRD32	LRD22L	LR3D32L	
30–38	D32–D38	LRD35	LRD32L	LR3D32L	
9–13	D40A–D65A	LRD313	—	—	
12–18	D40A–D65A	LRD318	LR3D313	LRD313L	
17–25	D40A–D65A	LRD325	LR3D318	LRD318L	
23–32	D40A–D65A	LRD332	LR3D325	LRD325L	
30–40	D40A–D65A	LRD340	LR3D332	LRD332L	
37–50	D40A–D65A	LRD350	LR3D340	LRD340L	
48–65	D40A–D65A	LRD365	LR3D350	LRD350L	
17–25	D40–D95	LRD3322	LR3D365	LRD365L	
23–32	D40–D95 [47]	LRD3353	LR3D3322	LR2D3522	
30–40	D40–D95 [47]	LRD3355	LR3D3353	LR2D3522	
37–50	D50–D95 [47]	LRD3357	LR3D3355	LR2D3555	
48–65	D50–D95 [47]	LRD3359	LR3D3357	LR2D3557	
55–70	D65–D95	LRD3361	LR3D3359	LR2D3559	
63–80	D65–D95	LRD3363	LR3D3361	LR2D3561	
80–104	D95	LRD3365	LR3D3363	LR2D3563	
80–104	D115–D150	LRD4365	—	—	
95–120	D115–D150	LRD4367	—	—	
110–140	D150	LRD4369	—	—	

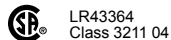
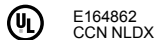
Table 18.25: TeSys LR9D Electronic Overload Relays <sup>New!</sup>

Current Setting Range (A)	For Direct Mounting Beneath Contactor LC1D/LC2D	Class 5/10/20/30 Selectable
0.1–0.5	D09–D38	LR9D01
0.4–2	D09–D38	LR9D02
1.6–8	D09–D38	LR9D08
6.4–32	D09–D38	LR9D32
22–110	N/A (Separate Mounting Only)	LR9D110S

Table 18.26: TeSys D Overload Relays—Solid State

Current Setting Range (A)	For Direct Mounting Beneath Contactor LC1	Class 10	Class 20	Class 10/20 Selectable
60–100	D115–D150	LR9D5367	LR9D5567	LR9D67
90–150	D115–D150	LR9D5369	LR9D5569	LR9D69

TeSys D contactor accessories: [page 18-14](#)  
 TeSys D overload relay accessories: [page 18-21](#)  
 TeSys D replacement coils: [page 18-43](#)  
 Dimensions: [page 18-51](#) to [page 18-59](#)  
 TeSys T: see [page 16-101](#)



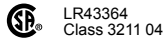
[47] Direct mount to old D2 style D40 to D65 (no Everlink terminations) and to D80 and D95 only.

**TeSys™ D Reversing Contactors**

Each 3-pole device is prewired with line and load side power wiring for reversing applications. Each 4-pole device is prewired with load side power wiring.

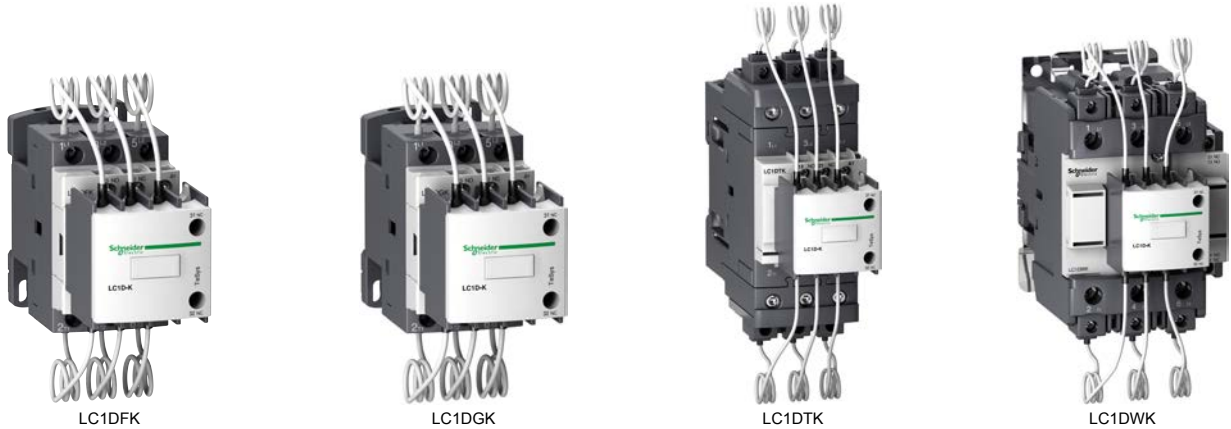
**Table 18.27: TeSys D Mechanically-Interlocked Reversing Contactors**

	Maximum Horsepower Ratings						Maximum Current (A)		Continuous Current Rating (A)	No. of N.O. Power Poles	Built In Auxiliary Contacts (per contactor)		Catalog Number [48]
	Single-Phase		Three-Phase				Inductive AC3	Resistive AC1			N.O.	N.C.	
	115 V	230 V	200 V	230 V	460 V	575 V							
	1/3	1	2	2	5	7.5	9	20	25	3	1	1	LC2D09 [49]
	—	—	—	—	—	—	—			4	1	1	LC2DT20
	1/2	2	3	3	7.5	10	12	25	25	3	1	1	LC2D12 [49]
	—	—	—	—	—	—	—			4	1	1	LC2DT25
	1	3	5	5	10	15	18	32	32	3	1	1	LC2D18 [49]
	—	—	—	—	—	—	—			4	1	1	LC2DT32
	2	3	7.5	7.5	15	20	25	40	40	3	1	1	LC2D25 [49]
	—	—	—	—	—	—	—			4	1	1	LC2DT40
	2	5	10	10	20	25	32	50	50	3	1	1	LC2D32 [49]
	2	5	10	10	20	25	38			3	1	1	LC2D38 [49]
	3	5	10	10	30	30	40	60	60	3	1	1	LC2D40A
	—	—	—	—	—	—	—			4	—	—	—
	3	7.5	15	15	40	40	50	80	70	3	1	1	LC2D50A
	5	10	20	20	40	50	65			3	1	1	LC2D65A
	—	—	—	—	—	—	—	80	80	4	—	—	[50]
	7.5	15	25	30	60	60	80			3	1	1	LC2D80
	—	—	—	—	—	—	—	125	110	4	—	—	[50]
	7.5	15	25	30	60	60	95			3	1	1	LC2D95
	—	—	30	40	75	100	115	200	160	3	1	1	LC2D115 [51]
	—	—	—	—	—	—	—			4	—	—	—
—	—	40	50	100	125	150	200	160	3	1	1	LC2D150 [51]	



TeSys D contactor accessories: page 18-14  
TeSys D replacement coils: page 18-43  
TeSys D dimensions: page 18-51 to page 18-59

**TeSys™ D Capacitor Contactors**



**Table 18.28: TeSys D Capacitor Contactors**

	Maximum Operational Power, kVAR			Instantaneous Auxiliary Contacts		Catalog Number [52]
	230 V	460 V	575 V	N.O.	N.C.	
6	12.5	15	1	2	LC1DFK	
8	16.7	20	1	2	LC1DGK	
10	20	25	1	2	LC1DLK	
12.5	25	30	1	2	LC1DMK	
16.5	33.3	40	1	2	LC1DPK	
20	40	50	1	2	LC1DTK	
30	60	80	1	2	LC1DWK12	

**Table 18.29: Coil Voltage Codes for TeSys D Capacitor Contactor (50/60 Hz)**

Voltage	24	48	110	120	220	230	240	380	400	415	440
Coil Code	B7	E7	F7	G7	M7	P7	U7	Q7	V7	N7	R7

[48] Includes mechanical interlock without electrical contacts. Installer to complete wiring for electronically interlocking contactor operating coils by using a N.C. auxiliary contact integrated in the contactor or optional LADN or LAD8N auxiliary contact block.

[49] For LC2D09–LC2D38, electrical interlock can be included by adding a V to the end of the catalog number (for example LC2D09B7V).

[50] For these items, order two non-reversing contactors and one mechanical interlock separately. See page 18-7 for selection.

[51] Includes mechanical interlock (LA9D11502) with prewired electrical contacts for interlocking contactor operating coils.

[52] Complete the catalog number with the voltage code from Table 18.29 (for example, LC1DFK7).