TeSys™ D Non-Reversing Contactors


LC1D09


LC1D093


LC1D40A


LC1D115


LRD22


LRD3

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				LC1DT20 *[41]*
—	—	—	—	—	—	—			2	2			LC1D098 *[41]*
1/2	2	3	3	7.5	10	12	25	25	3	0	1	1	LC1D12 *[41][42][43]*
—	—	—	—	—	—	—			4				LC1DT25 *[41]*
—	—	—	—	—	—	—			2	2			LC1D128 *[41]*
1	3	5	5	10	15	18	32	32	3	0	1	1	LC1D18 *[41][42]*
—	—	—	—	—	—	—			4				LC1DT32 *[41]*
—	—	—	—	—	—	—			2	2			LC1D188 *[41]*
2	3	7.5	7.5	15	20	25	40	40	3	0	1	1	LC1D25 *[41][41]*
—	—	—	—	—	—	—			4				LC1DT40 *[41]*
—	—	—	—	—	—	—			2	2			LC1D258 *[41]*
2	5	10	10	20	25	32	50	50	3	0	1	1	LC1D32 *[41][42]*
2	5	10	10	20	25	38			3	0	1	1	LC1D38*[41][42]*
3	5	10	10	30	30	40	60	60	3	0	1	1	LC1D40A *[41]*
—	—	—	—	—	—	—			4		0	0	LC1DT60A*[41]*
3	7.5	15	15	40	40	50	80	70	3	0	1	1	LC1D50A *[41]*
5	10	20	20	40	50	65		80	3				LC1D65A *[41]*
—	—	—	—	—	—	—			4	0	0	0	LC1DT80A*[41]*
7.5	15	25	30	60	60	80	125	110	3	0	1	1	LC1D80
—	—	—	—	—	—	—			4		0	0	LC1D80004 *[44]*
—	—	—	—	—	—	—			2	2			LC1D80008 *[44]*
7.5	15	25	30	60	60	95			3	0	1	1	LC1D95
—	—	30	40	75	100	115	200	160	3	0	1	1	LC1D115
—	—	40	50	100	125	150			3				LC1D150
—	—	—	—	—	—	—			4		0	0	LC1D115004

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
AC													
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]*
DC													
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 TeSys D Coil Voltage Codes, page 18-8 for example, LC1D09**G7**).

[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 LC1D09**6**G7 and LC1D50AG7 becomes LC1D50A**6**G7).

[42] For spring terminals versions of LC1D09–LC1D65A, add **3** to the catalog number prior to adding the voltage code (for example, LC1D12G7 becomes LC1D12**3**G7 and LC1D40AG7 becomes LC1D40A**3**G7. 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 LC1D09**9**G7).

[44] For DC version of these devices, replace the **C** with a **P** (for example, L**C**1D80004•• becomes L**P**1D80004••). 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	LRD04L	LR3D04L
0.63–1		LRD05	LR3D05	LRD05L	LR3D05L
1–1.6		LRD06	LR3D06	LRD06L	LR3D06L
1.6–2.5		LRD07	LR3D07	LRD07L	LR3D07L
2.5–4		LRD08	LR3D08	LRD08L	LR3D08L
4–6		LRD10	LR3D10	LRD10L	LR3D10L
5.5–8		LRD12	LR3D12	LRD12L	LR3D12L
7–10		LRD14	LR3D14	LRD14L	LR3D14L
9–13	D12–D38	LRD16	LR3D16	LRD16L	LR3D21L
12–18	D18–D38	LRD21	LR3D21	LRD21L	LR3D21L
16–24		LRD22	LR3D22	—	—
17–24		—	—	LRD22L	LR3D22L
23–32	D25–D38	LRD32	LR3D32	LRD32L	LR3D32L
30–38	D32–D38	LRD35	LR3D35	—	—
9-13	D40A–D65A	LRD313	LR3D313	LRD313L	—
12-18	D40A–D65A	LRD318	LR3D318	LRD318L	—
17-25	D40A–D65A	LRD325	LR3D325	LRD325L	—
23-32	D40A–D65A	LRD332	LR3D332	LRD332L	—
30-40	D40A–D65A	LRD340	LR3D340	LRD340L	—
37-50	D40A–D65A	LRD350	LR3D350	LRD350L	—
48-65	D40A–D65A	LRD365	LR3D365	LRD365L	—
17-25	D40–D95	LRD3322	LR3D3322	LR2D3522	LR3D3522
23-32	D40–D95*[47]*	LRD3353	LR3D3353	LR2D3553	LR3D3553
30-40	D40–D95*[47]*	LRD3355	LR3D3355	LR2D3555	LR3D3555
37-50	D50–D95*[47]*	LRD3357	LR3D3357	LR2D3557	LR3D3557
48-65	D50–D95*[47]*	LRD3359	LR3D3359	LR2D3559	LR3D3559
55–70	D65–D95	LRD3361	LR3D3361	LR2D3561	LR3D3561
63–80	D65–D95	LRD3363	LR3D3363	LR2D3563	LR3D3563
80–104	D95	LRD3365	—	—	—
80–104	D115–D150	LRD4365	—	—	—
95–120	D115–D150	LRD4367	—	—	—
110–140	D150	LRD4369	—	—	—

Table 18.25: TeSys LR9D Electronic Overload Relays *New!*

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: TeSys™ D & F Auxiliary Contacts, Time Delay, Mechanical Latch, page 18-15
TeSys D overload relay accessories: TeSys D Overload Relay Accessories, page 18-22
TeSys D replacement coils: TeSys™ D AC Coils, page 18-43
Dimensions: TeSys™ D Contactors, AC and DC Coil, page 18-51 to TeSys™ D Thermal Overload Relay Dimensions, page 18-59
TeSys T: see TeSys™ T Motor Management System, page 16-101

E164862
CCN NLDX

LR43364
Class 3211 04

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