

TeSys™ D-Line Contactors and Starters

Selection of Contactors for Motor Control

The tables below show the kilowatt ratings (for international applications) and horsepower ratings (for North American applications) of contactors for motor control.



LC1D123••

AC and DC Control Circuit — 3-pole Contactors for Spring Terminal Connections (AC-3 category)

Maximum horsepower ratings						Maximum Inductive Current in AC-3 Category 600 V	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3							Rated Operating Current in AC-3 up to 440 V	Instantaneous Auxiliary Contacts		Catalog Number ▼◆	Weight lb (kg)	
1-phase 50/60 Hz		3-phase 50/60 Hz					220 V 230 V	380 V 400 V	415 V	440 V	500 V	660 V 690 V	1000 V		A	N.O.			N.C.
115/ 120 V	230/ 240 V	200/ 208 V	220/ 240 V	460/ 480 V	575 V 600 V														
HP	HP	HP	HP	HP	HP	A	kW	kW	kW	kW	kW	kW	kW	A	N.O.	N.C.			
0.5	1	2	2	5	7.5	9	2.2	4	4	4	5.5	5.5	—	9	1	1	LC1D093••	0.71 (0.320)	
1	2	3	3	7.5	10	12	3	5.5	5.5	5.5	7.5	7.5	—	12	1	1	LC1D123••	0.72 (0.325)	
1	3	5	5	10	15	18	4	7.5	9	9	10	10	—	18	1	1	LC1D183••	0.73 (0.330)	
2	3	7.5	7.5	15	20	25	5.5	11	11	11	15	15	—	25	1	1	LC1D253••	0.82 (0.370)	
2	5	10	10	20	30	32	7.5	15	15	15	18.5	18.5	—	32	1	1	LC1D323••	0.83 (0.375)	
Not for North American applications ■						38	9	18.5	18.5	18.5	18.5	18.5	—	38	1	1	LC1D383••	0.84 (0.380)	

- ◆ For LC1D09 to LC1D38: clip-on mounting on 35 mm DIN rail AM1DP or screw mounting.
- ▼ Use voltage codes on page 115 "Voltage Code Table" to complete catalog number.
- Device is UL Listed at the same HP ratings as 32 amp device.

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Selection of Contactors for Resistive Loads (AC-1) and Inductive Loads (AC-3)



LC1DT20**

AC and DC Control Circuit — 3- or 4-Pole Screw Terminal Connections (AC-1 Category)

Maximum Current Utilization Categories		Number of Poles		Instantaneous Auxiliary Contacts		Catalog Number ◆ ▼	Weight lb (kg)
AC-1	AC-3	N.O.	N.C.	N.O.	N.C.		
20	9	3	0	1	1	LC1D09**	0.71 (0.320)
		4	0	1	1	LC1DT20**	0.80 (0.365)
		2	2	1	1	LC1D098**	0.80 (0.365)
25	12	3	0	1	1	LC1D12**	0.75 (0.340)
		4	0	1	1	LC1DT25**	0.80 (0.365)
		2	2	1	1	LC1D128**	0.80 (0.365)
32	18	3	0	1	1	LC1D18**	0.79 (0.355)
		4	0	1	1	LC1DT32**	0.93 (0.425)
		2	2	1	1	LC1D188**	0.93 (0.425)
40	25	3	0	1	1	LC1D25**	0.82 (0.370)
		4	0	1	1	LC1DT40**	0.93 (0.425)
		2	2	1	1	LC1D258**	0.93 (0.425)
50	32	3	0	1	1	LC1D32**	0.83 (0.375)
		3	0	1	1	or ▲ LC1D38** ■	0.84 (0.380)
60	40	3	0	1	1	LC1D40**	3.11 (1.400)
		4	0	1	1	LC1D40004**	0.93 (0.425)
		2	2	1	1	LC1D40008**	0.93 (0.425)
		4	0	1	1	LP1D40004**	0.93 (0.425)
		2	2	1	1	LP1D40008**	0.93 (0.425)
80	65	3	0	1	1	LC1D50**	3.22 (1.450)
		3	0	1	1	or ▲ LC1D65**	3.11 (1.400)
		4	0	0	0	LC1D65004**	3.20 (1.440)
		4	0	0	0	LP1D65004**	4.89 (2.220)
		2	2	0	0	LC1D65008**	3.22 (1.450)
125	80	2	2	0	0	LP1D65008**	4.89 (2.220)
		3	0	1	1	LC1D80**	3.53 (1.590)
		3	0	1	1	or ▲ LC1D95** ■	3.55 (1.600)
		4	0	0	0	LC1D80004**	3.91 (1.760)
		4	0	0	0	LP1D80004**	4.87 (2.210)
200	115	2	2	0	0	LC1D80008**	4.09 (1.940)
		2	2	0	0	LP1D80008**	5.84 (2.650)
		3	0	1	1	LC1D115**	5.38 (2.420)
200	150	3	0	1	1	or ▲ LC1D150**	5.42 (2.440)
		4	0	0	0	LC1D115004**	6.35 (2.860)

AC and DC Control Circuit — 3- or 4-Pole Spring Terminal Connections (AC-1 Category)

20	9	3	0	1	1	◆ LC1D093**	0.710 (0.320)
		4	0	1	1	◆ LC1DT203**	0.837 (0.380)
		2	2	1	1	◆ LC1D0983**	0.837 (0.380)
25	12	3	0	1	1	◆ LC1D123**	0.710 (0.320)
		4	0	1	1	◆ LC1DT253**	0.840 (0.380)
		2	2	1	1	◆ LC1D1283**	0.840 (0.380)
32	18	3	0	1	1	◆ LC1D183**	0.730 (0.330)
		4	0	1	1	◆ LC1DT323**	0.940 (0.425)
		2	2	1	1	◆ LC1D1883**	0.940 (0.425)
40	25	3	0	1	1	◆ LC1D253**	0.820 (0.370)
		4	0	1	1	◆ LC1DT403**	0.940 (0.425)
		2	2	1	1	◆ LC1D2583**	0.940 (0.425)

- ◆ For LC1D09 to LC1D38: clip-on mounting on 35 mm DIN rail AM1DP or screw mounting.
- ◆ For LC1D40 to LC1D95: clip-on mounting on 35 mm DIN rail AM1DE or 75 mm DIN rail AM1DL or screw mounting.
- ◆ For LC1D115 and LC1D150: clip-on mounting on 2 x 35 mm DIN rails AM1DP or screw mounting.
- ◆ For LC1D09 to LC1D25: clip-on mounting on 35 mm DIN rail AM1DP or screw mounting.
- ▲ Select between the two shown based upon the number of operating cycles; see the AC-1 graph on page 22 for further information.
- ▼ Use voltage codes on page 115 "Voltage Code Table" to complete catalog number.
- Devices are UL Listed at the same ratings as 32 and 80 amp devices, respectively.

TeSys™ D-Line Contactors and Starters

D-line Voltage Code Table

D-line Voltage Code

Voltage	Frequency	D-line (see notes at end of table)		
		LC1D09 - D38 LC2D09 - D38 Notes D1, D3	LC1D40 - D95 LC2D40 - D95 Note D1	LC1D115 - D150 Note D1, D2, D4
5	Low Consump DC	AL	-	-
12	50/60	J7	-	-
	50	-	J5	-
	DC	JD	JD	-
	Low Consump DC	JL	-	-
	Wide Range DC	-	JW	-
20	50/60	-	Z7	-
	50	-	Z5	-
	60	-	Z6	-
	DC	-	-	-
24	Low Consump DC	ZL	-	-
	50/60	B7	B7	B7
	50	-	B5	B5
	60	-	B6	B6
	40-400	-	-	-
36	DC	BD	BD	BD
	Low Consump DC	BL	-	-
	Wide Range DC	-	BW	-
	50/60	CC7	-	-
42	DC	CD	CD	CD
	Wide Range DC	-	CW	-
	50/60	D7	D7	D7
48	50	-	D5	D5
	60	-	-	-
	50/60	E7	E7	E7
	50	-	E5	E5
	60	-	E6	E6
	40-400	-	-	-
	DC	ED	ED	ED
60	Low Consump DC	EL	-	-
	Wide Range DC	-	EW	-
	50/60	EE7	-	-
72	DC	ND	ND	ND
	DC	SD	SD	SD
	Low Consump DC	SL	-	-
96	Wide Range DC	-	SW	-
	Low Consump DC	DL	-	-
100	50/60	K7	K7	-
	DC	-	-	-

D-line Voltage Code (Continued)

Voltage	Frequency	D-line (see notes at end of table)		
		LC1D09 - D38 LC2D09 - D38 Notes D1, D3	LC1D40 - D95 LC2D40 - D95 Note D1	LC1D115 - D150 Note D1, D2, D4
110	50/60	F7	F7	F7
	50	-	F5	F5
	60	-	F6	F6
	40-400	-	-	-
	DC	FD	FD	FD
	Low Consump DC	FL	-	-
	Wide Range DC	-	FW	-
110/127	40-400	-	-	-
115	50/60	FE7	FE7	FE7
	50	-	FE5	FE5
	40-400	-	-	-
120	50/60	G7	G7	G7
	50	-	-	-
	60	-	G6	G6
	40-400	-	-	-
	DC	-	-	-
125	Low Consump DC	-	-	-
	DC	GD	GD	GD
127	50/60	FC7	-	FC7
	60	-	G5	FC5
	40-400	-	-	-
155	DC	PD	-	-
174	DC	-	-	-
200	50/60	L7	L7	-
	DC	-	-	-
200/208	50/60	-	-	-
	60	-	-	-
	40-400	-	-	-
208	50/60	LE7	LE7	LE7
	60	-	L6	L6
	40-400	-	-	-
220	50/60	M7	M7	M7
	50	-	-	M5
	60	-	M6	M6
	40-400	-	-	-
	DC	MD	MD	MD
	Low Consump DC	ML	-	-
220/230	Wide Range DC	-	MW	-
	50/60	-	-	-
	50	-	M5	-
	60	-	-	-
220/240	40-400	-	-	-
	DC	-	-	-
	DC	-	-	-