

TeSys™ D-Line Contactors and Starters

General Information

The D-line contactors and overload relays are the largest selling line of contactors and starters in the world. They offer high reliability with long mechanical and electrical life and the most complete line of accessories in the industry.

Contactor Ratings

- D-line contactors and overload relays are available in 11 contactor ratings for the USA market for inductive motor applications up to 150 full-load amps and resistive loads up to 200 A. They offer motor control and overload protection for motors rated up to 100 hp at 480 Vac or 125 hp at 600 Vac.
- 3-pole and 4-pole contactor versions available.
- All contactors include built-in auxiliary contacts.
- All screw connections have IP20 rated touch-safe terminals with both North American and International terminal markings.
- D-line contactors can be panel mounted with screws or DIN rail mounted.

Easily Installed Accessories

- Auxiliary contact blocks with serrated wiping action
- Front mount dust tight auxiliary contact blocks
- Pneumatic time delay blocks
- Transient voltage surge suppressors
- Interface modules and electronic timers
- Mechanical latching blocks

Control Circuit Flexibility

The D-line contactors are available with ac or dc operating coils. Several devices utilize a low-consumption dc coil with built-in transient suppression for operation with a low-level dc signal from a computer or PLC without need for an interposing relay.

Overload Relays

Class 10 or Class 20 bimetallic overload relays are available up to 140 A. They are bimetallic ambient compensated and are available with or without single-phase sensitivity for phase unbalance and phase loss protection. New solid state overload relays are available for 90 to 150 A applications. Both bimetallic and solid-state overload relays include the following features:

- Isolated N.C. trip contact and N.O. alarm contacts.
- Manual or Automatic reset function (bi-metallic versions only).
- Tamper-resistant window for FLA settings.
- Test trip button.

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.

AC and DC Control Circuit — 3-pole Contactors with Touch-safe Terminals for Power Cabling (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		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	A					
0.5	1	2	2	5	7.5	9	2.2	4	4	4	5.5	5.5	—	9	1	1	LC1D09••	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	LC1D12••	0.72 (0.325)
1	3	5	5	10	15	18	4	7.5	9	9	10	10	—	18	1	1	LC1D18••	0.73 (0.330)
2	3	7.5	7.5	15	20	25	5.5	11	11	11	15	15	—	25	1	1	LC1D25••	0.82 (0.370)
2	5	10	10	20	30	32	7.5	15	15	15	18.5	18.5	—	32	1	1	LC1D32••	0.83 (0.375)
Not for North American applications ■						38	9	18.5	18.5	18.5	18.5	18.5	—	38	1	1	LC1D38••	0.84 (0.380)
3	5	10	10	30	30	40	11	18.5	22	22	22	30	22	40	1	1	LC1D40••	3.11 (1.400)
3	7.5	15	15	40	40	50	15	22	25	30	30	33	30	50	1	1	LC1D50••	3.11 (1.400)
5	10	20	20	50	50	65	18.5	30	37	37	37	37	37	65	1	1	LC1D65••	3.11 (1.400)
7.5	15	25	30	60	60	80	22	37	45	45	55	45	45	80	1	1	LC1D80••	3.53 (1.590)
Not for North American applications ■						95	25	45	45	45	55	45	45	95	1	1	LC1D95••	3.58 (1.610)
—	—	30	40	75	100	115	30	55	59	59	75	80	75	115	1	1	LC1D115••	5.38 (2.420)
—	—	40	50	100	125	150	40	75	80	80	90	100	90	150	1	1	LC1D150••	5.42 (2.440)

- ◆ 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.
- ▼ Use voltage codes on page 115 "Voltage Code Table" to complete catalog number.
- Devices are UL Listed at the same HP ratings as 32 and 80 amp devices, respectively.

LC1D09••



LC1D65••



LC1D150••



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••

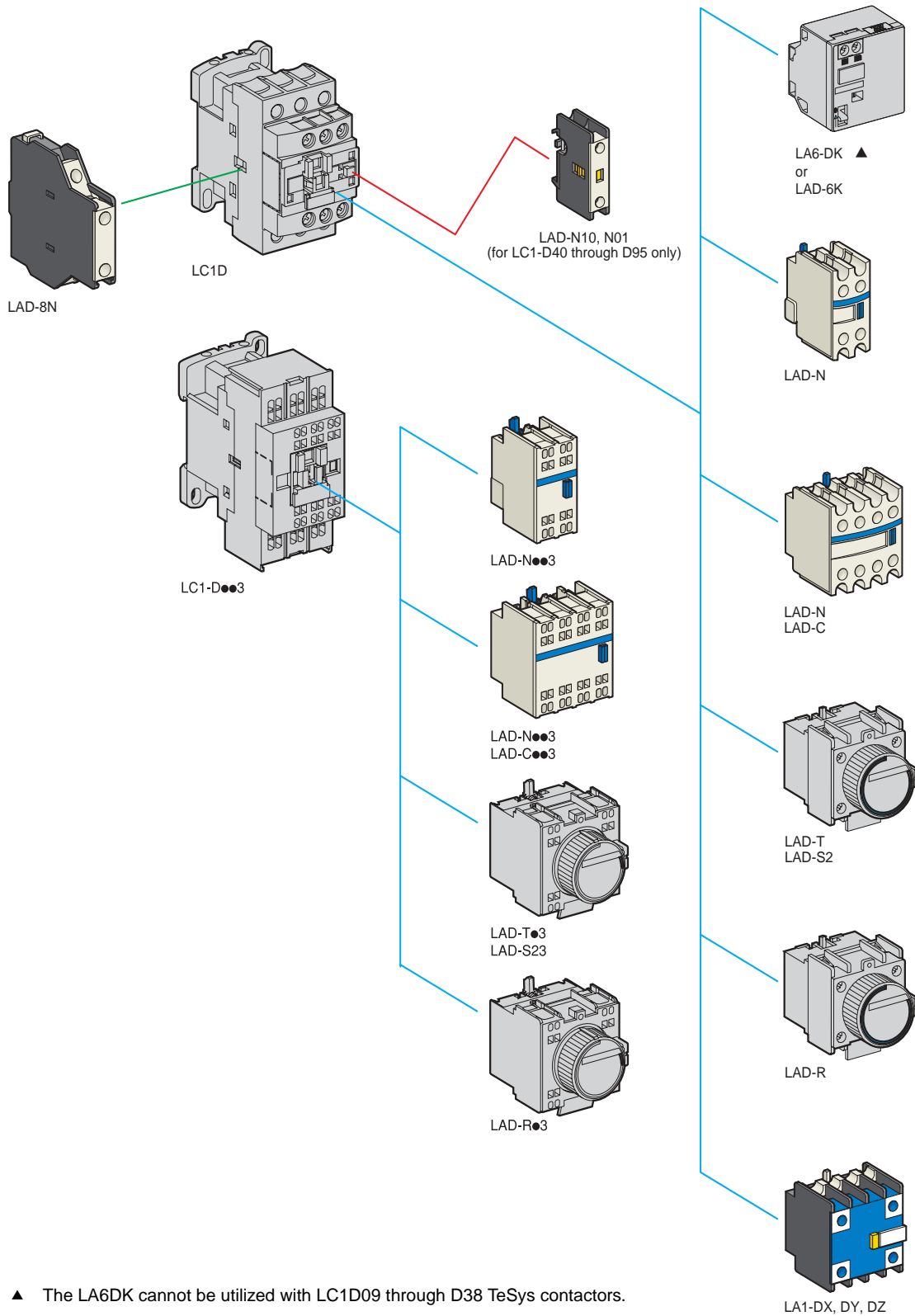
AC and DC Control Circuit — 3-pole Contactors for Spring Terminal Connections (AC-3 category)

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.

TeSys™ D-Line Contactors and Starters

Selection of Auxiliary Contact Blocks








▲ The LA6DK cannot be utilized with LC1D09 through D38 TeSys contactors.

TeSys™ D-Line Contactors and Starters

Selection of Auxiliary Contact Blocks

Instantaneous Auxiliary Contact Blocks for Connection by Screw Clamp Terminals

For use in normal operating environments

Clip-on mounting	Number of contacts per block (see table below for maximum number of contacts)	Composition					Catalog Number	Weight lb (kg)
								
Front	1	-	-	-	1	-	LADN10 ♦	0.04 (0.020)
		-	-	-	-	1	LADN01 ♦	0.04 (0.020)
	2	-	-	-	1	1	LADN11	0.07 (0.030)
		-	-	-	2	-	LADN20	0.07 (0.030)
		-	-	-	-	2	LADN02	0.07 (0.030)
		-	-	-	2	2	LADN22	0.11 (0.050)
	4	-	-	-	1	3	LADN13	0.11 (0.050)
		-	-	-	4	-	LADN40	0.11 (0.050)
		-	-	-	-	4	LADN04	0.11 (0.050)
		-	-	-	3	1	LADN31	0.11 (0.050)
4 includes one N.O. and one N.C. make before break		-	-	-	2	2	LADC22	0.11 (0.050)
Side	2	-	-	-	1	1	LAD8N11 ●	0.07 (0.030)
		-	-	-	2	-	LAD8N20 ●	0.07 (0.030)
		-	-	-	-	2	LAD8N02 ●	0.07 (0.030)

For terminal referencing conforming to standard EN 50012 ◊

Front, on 3P contactors & 4P contactors 20 to 60A	2	-	-	-	1	1	LADN11G	0.07 (0.030)
	4	-	-	-	2	2	LADN22G	0.11 (0.050)
Front, on 4P contactors 80 to 200A	2	-	-	-	1	1	LADN11P	0.07 (0.030)
	4	-	-	-	2	2	LADN22P	0.11 (0.050)

With dust and damp protected terminals, for use in particularly harsh industrial environments

Front	2	-	2	-	-	-	LA1DX20	0.09 (0.040)
		2	-	-	-	-	LA1DX02	0.09 (0.040)
		-	2	2	-	-	LA1DY20 ▲	0.09 (0.040)
	4	-	2	-	2	-	LA1DZ40	0.11 (0.050)
		-	2	-	1	1	LA1DZ31	0.13 (0.060)

♦ For LC1D40 through LC1D95 only.

▲ Device with 4 shield bonding terminals.

● Mount on left side only of LC●D09 through D38 with AC coils. Not allowed on LC●D09 through D38 with DC coils.

Instantaneous auxiliary contact blocks for connection by ring-tongue connectors

This type of connection is not possible for blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add the digit **6** to the end of the references selected above. Example: LADN10 becomes LADN106.

Instantaneous auxiliary contact blocks for connection by spring terminals

This type of connection is not possible for LAD8, LADN with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the digit **3** to the end of the references selected above. Example: LADN11 becomes LADN113.

Instantaneous auxiliary contact blocks for connection by Faston connectors

This type of connection is not possible for LAD8, LADN with 1 contact or blocks with dust and damp protected contacts. For all other contact blocks, add the digit **9** to the end of the references selected above. Example: LADN11 becomes LADN119.

Maximum Number of Auxiliary Contacts

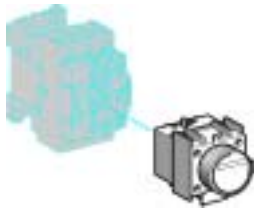
Contactors		Instantaneous auxiliary contact blocks					Time delay Front mounted	
Type	Number of poles and size	Side mounted		Front mounted				
				1 contact	2 contacts	4 contacts		
ac	3P	LC1D09 to D38	1 on left-hand side	and	-	1	or 1	or 1
		LC1D40 to D95 (50/60 Hz)	1 on each side	or	2	and 1	or 1	or 1
		LC1D40 to D95 (50 or 60 Hz)	1 on each side	and	2	and 1	or 1	or 1
	4P	LC1D115 and D150	1 on left-hand side	and	-	1	or 1	or 1
		LC1DT20 to DT40	1 on left-hand side	and	-	1	or 1	or 1
		LC1D65 and D80	1 on each side	or	1	or 1	or 1	or 1
dc	3P	LC1D09 to D38	-		-	1	or 1	or 1
		LC1D40 to D95	-		1	or 1	or 1	or 1
		LC1D115 and D150	1 on left-hand side	and	-	1	or 1	or 1
	4P	LC1DT20 to DT40	1 on left-hand side	or	-	1	or 1	or 1
		LP1D65 and D80	-		2	and 1	or 1	or 1
		LC1D115	1 on each side		-	and 1	or 1	or 1
LC (1)	3P	LC1D09 to D38	-		-	1 (2)	-	-
	4P	LC1DT20 to DT40	1 on left-hand side	and	-	1	or 1	or 1

(1) LC: low consumption.

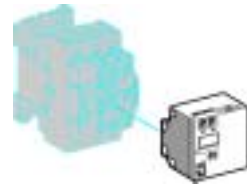
(2) Except LADN02.

TeSys™ D-Line Contactors and Starters

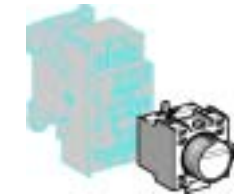
Selection of Time-Delay Blocks, and Mechanical-Latch Blocks



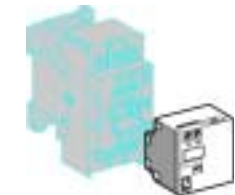
LADT●



LA6DK●●



LADT●3



LA6DK●●



LA4SPX ▲

Time Delay Auxiliary Contact Blocks for Connection by Screw Clamp Terminals

Maximum number of auxiliary contact blocks that can be attached per contactor, see page 107.
 Sealing cover to be ordered separately, see page 114.
 LADT0 and LADR0: with extended scale from 0.1 to 0.6 s.
 LADS2: with switching time of 40 ms ± 15 ms between opening of the N.C. contact and closing of the N.O. contact.

Clip-on Mounting	Number of Contacts	Time Delay		Catalog Number	Weight lb (kg)
		Type	Setting Range		
Front	1 N.O. + 1 N.C.	On-delay ♦	0.1 to 3 s	LADT0	(0.13) 0.060
			0.1 to 30 s	LADT2	(0.13) 0.060
			10 to 180 s	LADT4	(0.13) 0.060
			1 to 30 s	LADS2	(0.13) 0.060
		Off-delay ♦	0.1 to 3 s	LADR0	(0.13) 0.060
			0.1 to 30 s	LADR2	(0.13) 0.060
		10 to 180 s	LADR4	(0.13) 0.060	

♦ Also fit pre-TeSys Contactors.

Time delay auxiliary contact blocks for connection by ring-tongue connectors

Add the digit 6 to the end of the references selected above. Example: LADT0 becomes LADT06.

Time delay auxiliary contact blocks for connection by spring terminals

Add the digit 3 to the end of the references selected above. Example: LADT0 becomes LADT03.

Time delay auxiliary contact blocks for connection by Faston connectors

Add the digit 9 to the end of the references selected above. Example: LADT0 becomes LADT09.

Mechanical latch blocks (2)

Clip-on Mounting	Unlatching Control	For use on Contactor	Basic Reference. Complete with Code Indicating Control Voltage	Standard Voltages (1)	Weight lb (kg)
Front	Manual or electric	LC1D40 to D65 3P ac or dc LC1D65 4P ac LP1D65 4P dc	LA6DK10●	B E F M Q	(0.15) 0.070
		LC1D80 to D150 3P ac LC1D80 and D115 3P dc LP1D80 and LC1D115 4P dc	LA6DK20●	B E F M Q	(0.20) 0.090
		LC1D09 to D38 ac or dc LC1DT20 to DT60 ac or dc	LAD6K10●	B E F M Q	(0.15) 0.070

(1) Standard control circuit voltages (for other voltages please consult your Regional Sales Office).

Vdc 50/60 Hz,	24	32/36	42/48	60/72	100	110/127	220/240	256/277	380/415
Code	B	C	E	EN	K	F	M	U	Q

(2) The mechanical latching block must not be powered up at the same time as the contactor. The duration of the control signal for the mechanical latching block and the contactor should be ≥ 100 ms.

SERIPLEX® Module

Approvals	File E114926 CCN NRAQ	LR53531 Class 2252 01		
SERIPLEX	1 block per contactor Clip-on front mounting	Operates coils up to	Catalog Number	Weight – lb (kg.)
Contactor adaptor module ♦	LC1D09 to LC1D80	277 Vac	LA4SPX	0.160 (0.072)
	LP1D09 to LP1D80	24 Vdc		

♦ For more information, refer to SERIPLEX catalog 8330CT9601.

▲ Attaches similarly to all other accessories.

TeSys™ D-Line Contactors and Starters

Dimensions for Type LC1D Contactors

D-Line Contactors AC Control Circuits

LC1D09 to D18 (3-pole)		LC1D25 to D38 (3-pole)		LC1D20 to DT40 (4-pole)						
LC1		D09 to D18	D093 to D183	D099 to D189	D25 to D38	D253 and D323	DT20 and DT25	DT203 and DT253	DT32 to DT40	DT323 and DT403
b	without add-on blocks	3.03 (77)	3.89 (99)	3.14 (80)	3.36 (85)	3.89 (99)	3.34 (85)	3.89 (99)	3.58 (91)	4.13 (105)
b1	with LAD4BB	3.70 (94)	4.21 (107)	3.75 (95.5)	3.85 (98)	4.21 (107)	3.85 (98)	–	–	–
	with LA4D•2	4.33 (110) (1)	4.84 (123) (1)	4.30 (111.5) (1)	4.48 (114) (1)	4.84 (123) (1)	4.48 (114)	–	–	–
	with LA4DF, DT	4.68 (119) (1)	5.19 (132) (1)	4.76 (120.5) (1)	4.84 (123) (1)	5.19 (132) (1)	5.02 (129)	–	–	–
	with LA4DR, DW, DL	4.96 (126) (1)	5.67 (139) (1)	5.0 (127.5) (1)	5.11 (130) (1)	5.47 (139) (1)	7.48 (190)	–	–	–
c	without cover or add-on blocks	3.30 (84)	3.30 (84)	3.30 (84)	3.54 (90)	3.54 (90)	3.54 (90)	3.54 (90)	3.85 (98)	3.85 (98)
	with cover, without add-on blocks	3.38 (86)	3.38 (86)	3.38 (86)	3.62 (92)	3.62 (92)	3.62 (92)	3.62 (92)	3.93 (100)	3.93 (100)
c1	with LADN or C (two or four contacts)	4.60 (117)	4.60 (117)	4.60 (117)	4.84 (123)	4.84 (123)	4.84 (123)	4.84 (123)	5.15 (131)	5.15 (131)
c2	with LA6DK10, LAD6K10	5.07 (129)	5.07 (129)	5.07 (129)	5.31 (135)	5.31 (135)	5.31 (135)	5.31 (135)	5.62 (143)	5.62 (143)
c3	with LADT, R, S	5.39 (137)	5.39 (137)	5.39 (137)	5.62 (143)	5.62 (143)	5.62 (143)	5.62 (143)	5.94 (151)	5.94 (151)
	with LADT, R, S and sealing cover	5.55 (141)	5.59 (141)	5.55 (141)	5.78 (147)	5.78 (147)	5.78 (147)	5.78 (147)	6.10 (155)	6.10 (155)

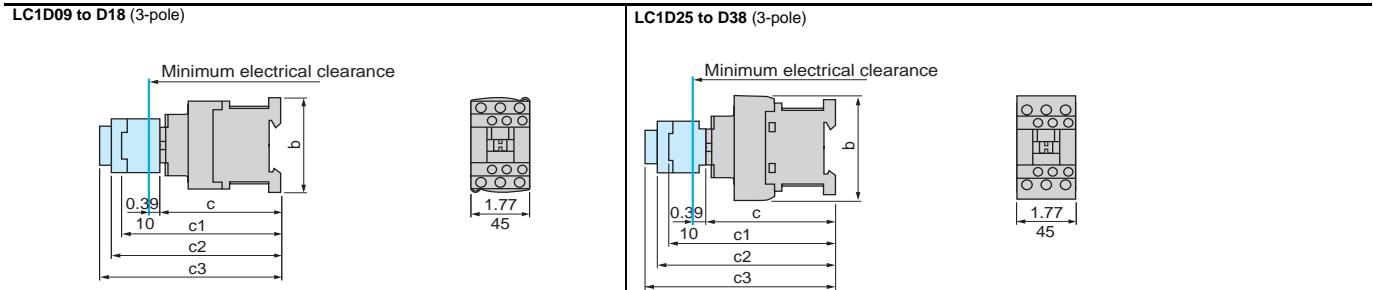
(1) Including LAD4BB

LC1D40 to D65 (3-pole)		LC1D80 and D95 (3-pole)					
LC1D65004, D40008 and D65008 (4-pole)		LC1D80004 and D80008 (4-pole)					
LC1		D40 to D65	D40008	D80 D65004	D95 D65008	D80004	D80008
a		2.95 (75)	3.34 (85)	3.34 (85)	3.34 (85)	96	96
b1	with LA4D•2	5.31 (135)	5.31 (135)	5.31 (135)	5.31 (135)	5.31 (135)	5.31 (135)
	with LA4DB3	–	–	5.31 (135)	–	–	–
	with LA4DF, DT	5.59 (142)	5.59 (142)	5.59 (142)	5.59 (142)	5.59 (142)	5.59 (142)
	with LA4DM, DR, DW, DL	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)
c	without cover or add-on blocks	4.72 (114)	4.92 (125)	4.92 (125)	4.92 (125)	4.92 (125)	5.51 (140)
	with cover, without add-on blocks	4.68 (119)	–	5.11 (130)	5.11 (130)	–	–
c1	with LADN (one contact)	5.47 (139)	5.47 (139)	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)
	with LADN or C (two or four contacts)	5.78 (147)	5.78 (147)	6.22 (158)	6.22 (158)	6.22 (158)	6.22 (158)
c2	with LA6DK	6.25 (159)	6.25 (159)	6.69 (170)	6.69 (170)	6.69 (170)	6.69 (170)
c3	with LADT, R, S	6.57 (167)	6.57 (167)	7.00 (178)	7.00 (178)	7.00 (178)	7.00 (178)
	with LADT, R, S and sealing cover	6.73 (171)	6.73 (171)	7.16 (182)	7.16 (182)	7.16 (182)	7.16 (182)

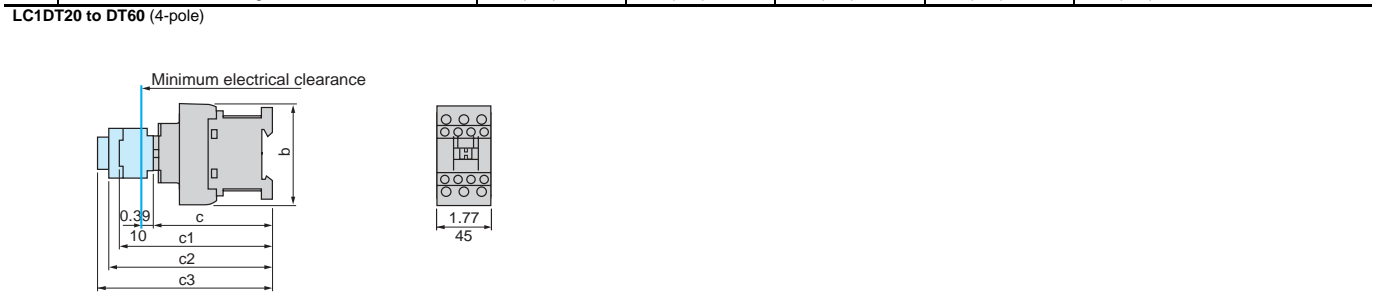
LC1D115 and D150 (3-pole)		LC1D115004 (4-pole)				
LC1		D115 D150	D115004	D115006	D150006	D1150046
a		4.72 (120)	5.90 (150)	4.72 (120)	4.72 (120)	6.10 (155)
b1	with LA4DA2	6.85 (174)	6.85 (174)	6.85 (174)	6.85 (174)	6.85 (174)
	with LA4DF, DT	7.28 (185)	7.28 (185)	7.28 (185)	7.28 (185)	7.28 (185)
	with LA4DM, DR, DL	7.40 (188)	7.40 (188)	7.40 (188)	7.40 (188)	7.40 (188)
	with LA4DW	7.40 (188)	7.40 (188)	7.40 (188)	–	7.40 (188)
c	without cover or add-on blocks	5.19 (132)	5.19 (132)	4.52 (115)	4.52 (115)	4.52 (115)
	with cover, without add-on blocks	5.35 (136)	–	–	–	–
c1	with LADN or C (two or four contacts)	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)	5.90 (150)
c2	with LA6DK20	6.10 (155)	6.10 (155)	6.10 (155)	6.10 (155)	6.10 (155)
c3	with LADT, R, S	6.61 (168)	6.61 (168)	6.61 (168)	6.61 (168)	6.61 (168)
	with LADT, R, S and sealing cover	6.77 (172)	6.77 (172)	6.77 (172)	6.77 (172)	6.77 (172)

TeSys™ D-Line Contactors and Starters Dimensions for Type LC1D Contactors

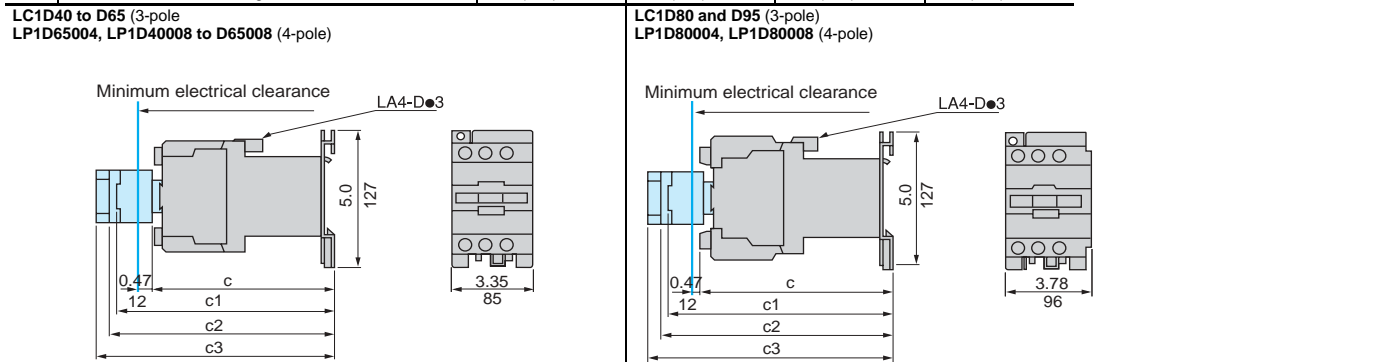
D-Line Contactors DC Control Circuit or Low Consumption



LC1	D09 to D18	D093 to D183	D099 to D189	D25 to D38	D253 and D383
b	3.03 (77)	3.89 (99)	3.30 (80)	3.34 (85)	3.89 (99)
c	without cover or add-on blocks	3.66 (93)	3.66 (93)	3.89 (99)	3.89 (99)
	with cover, without add-on blocks	3.76 (95)	3.76 (95)	3.97 (101)	3.97 (101)
c1	with LADN or C (two or four contacts)	4.96 (126)	4.96 (126)	5.19 (132)	5.19 (132)
c2	with LA6DK10	5.43 (138)	5.43 (138)	5.66 (144)	5.66 (144)
c3	with LADT, R, S	5.76 (146)	5.76 (146)	5.98 (152)	5.98 (152)
	with LADT, R, S and sealing cover	5.90 (150)	5.76 (146)	5.76 (146)	6.14 (156)



LC1	DT20 and DT25 D098 and D128	DT203 and DT253 D0983 and D1283	DT32 to DT40 D188 to D258	DT323 and DT403 D1883 and D2583
b	3.34 (85)	3.89 (99)	3.58 (91)	4.13 (105)
c	with cover	3.56 (90)	3.54 (98)	3.54 (98)
c1	with LADN or C (two or four contacts)	4.84 (123)	5.15 (131)	5.15 (131)
c2	with LA6DK10	5.31 (135)	5.62 (143)	5.62 (143)
c3	with LADT, R, S	5.62 (143)	5.94 (151)	5.94 (151)
	with LADT, R, S and sealing cover	5.78 (147)	5.78 (147)	6.10 (155)

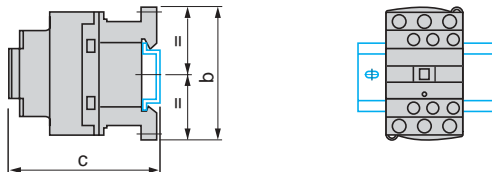


	LC1 D40 to D65	LP1D65004	LP1D40008 and D65008	LC1 D80 and D95	LP1 D80004	LP1 D80008
c	without cover or add-on blocks	6.73 (171)	6.73 (171)	7.40 (181)	7.40 (181)	–
	with cover, without add-on blocks	6.92 (176)	–	7.32 (186)	–	8.03 (204)
c1	with LADN (1 contact)	7.71 (196)	7.71 (196)	8.03 (204)	8.03 (204)	8.26 (210)
	with LADN or C (2 or 4 contacts)	7.95 (202)	7.95 (202)	8.26 (210)	8.26 (210)	8.70 (221)
c2	with LA6DK10	8.38 (213)	8.38 (213)	8.70 (221)	8.70 (221)	9.01 (229)
c3	with LADT, R, S	8.70 (221)	8.70 (221)	9.01 (229)	9.01 (229)	9.17 (233)

TeSys™ D-Line Contactors and Starters

Mounting Information for Type LC1D and LP1D Contactors

On mounting rail AM1DP200, DR200 or AM1DE200 (width 35 mm)
LC1D09 to D38, DT20 to DT60



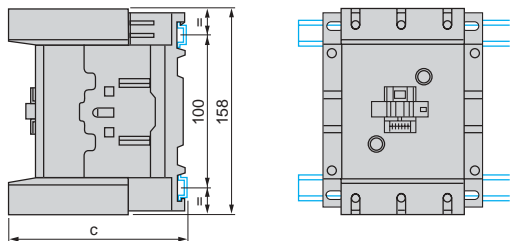
LC1	D09 to D18	D25 to D38	DT20 and DT25	DT32 to DT40
b	3.03 (77)	3.36 (85)	3.36 (85)	3.93 (100)
c (AM1DP200 or DR200) (1)	3.46 (88)	3.70 (94)	3.70 (94)	4.29 (109)
c (AM1DE200) (1)	3.77 (96)	4.01 (102)	4.01 (102)	4.60 (117)

dc control circuit

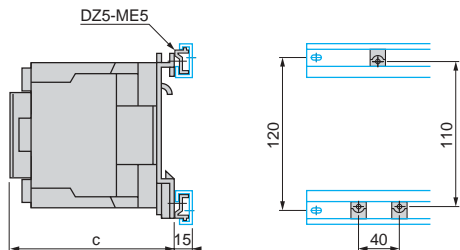
b	3.03 (77)	3.36 (85)	3.70 (94)	4.29 (109)
c (AM1DP200 or DR200) (1)	3.81 (97)	4.05 (103)	4.05 (103)	4.64 (118)
c (AM1DE200) (1)	4.13 (105)	4.33 (110)	4.37 (111)	4.84 (123)

(1) with safety cover

On two mounting rails DZ5MB at 120 mm center
LC1D115, D150



On two mounting rails DZ5MB at 120 mm center
LC1D40 to D95, LP1D40 to D80



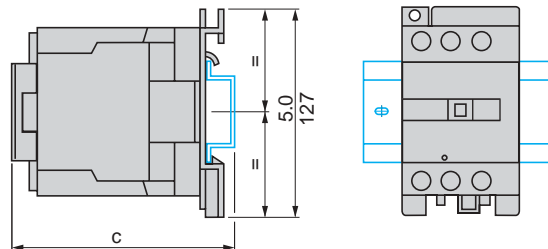
ac control circuit

LC1	D40 to D65	D80 and D95
c with cover	4.70 (119)	5.11 (130)

dc control circuit

LC1	D40 to D65	D80 and D95
c with cover	6.92 (176)	7.32 (186)
LP1	D40 and D65	D80
c	6.73 (171)	7.12 (181)

On mounting rail AM1DL200 or DL201 (width 75 mm)
 On mounting rail AM1ED*** or AM1DE200 (width 35 mm)
LC1D40 to D95, LP1D40 to D80



ac control circuit

LC1	D40 to D65	D80 and D95
c (AM1DL200) (1)	5.35 (136)	5.78 (147)
c (AM1DL201) (1)	4.96 (126)	5.39 (137)
c (AM1ED*** or DE200) (1)	4.96 (126)	5.39 (137)

dc control circuit

LC1	D40 to D65	D80 and D95
c (AM1DL200) (1)	7.59 (193)	7.99 (203)
c (AM1DL201) (1)	7.20 (183)	7.99 (203)

LP1	D40	D65	D80
c (AM1DL200)	7.40 (188)	7.40 (188)	7.78 (198)
c (AM1DL201)	7.00 (178)	7.00 (178)	7.78 (198)

(1) with safety cover

ac or dc control circuit

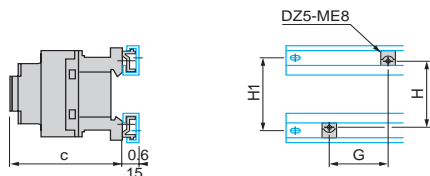
LC1	D115 and D150	D1156 and D1506
c (AM1DP200 or DR200)	134.5	117.5
c (AM1DE200 or ED***)	142.5	125.5

TeSys™ D-Line Contactors and Starters

Mounting Information for Type LC1D and LP1D Contactors

LC1D09 to D38 and LC1DT20 to DT60

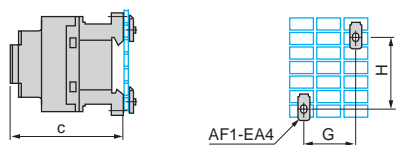
On two mounting rails DZ5MB



Control circuit:	ac		dc	
	D09 to D18	D25 to D38	D09 to D18	D25 to D38
LC1				
c with cover	3.38 (86)	3.62 (92)	3.76 (95)	3.97 (101)
G	1.37 (35)	1.37 (35)	1.37 (35)	1.37 (35)
H	2.36 (60)	2.36 (60)	2.36 (60)	2.36 (60)
H1	2.75 (70)	2.75 (70)	2.75 (70)	2.75 (70)
4-pole contactors				
LC1	DT20 and DT25	DT32 to DT60	DT20 and DT25	DT32 to DT60
c	3.62 (92)	3.93 (100)	3.97 (101)	4.29 (109)
G	5.31 (135)	1.57/1.96 (40/50)	1.37 (35)	1.37 (35)
H	2.36 (60)	2.36 (60)	2.36 (60)	2.36 (60)
H1	2.75 (70)	2.75 (70)	2.75 (70)	2.75 (70)

LC1D09 to D38 and LC1DT20 to DT60

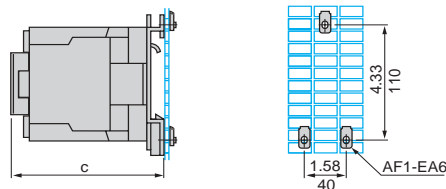
On pre-slotted mounting plate AM1PA, PB, PC



Control circuit:	ac		dc	
	D09 to D18	D25 to D38	D09 to D18	D25 to D38
LC1				
c with cover	3.38 (86)	3.62 (92)	3.76 (95)	3.97 (101)
G	1.37 (35)	1.37 (35)	1.37 (35)	1.37 (35)
c with cover	3.38 (86)	3.62 (92)	3.74 (95)	3.97 (101)
4-pole contactors				

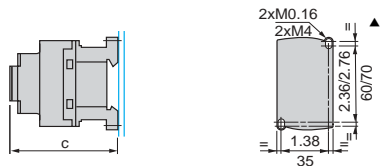
LC1D40 to D95, LP1D40 to D80

On pre-slotted mounting plate AM1PA, PB, PC



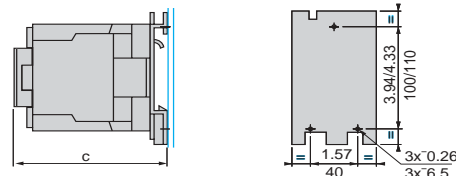
Control circuit:	ac				dc			
	D09 to D18	D25 to D38	D09 to D18	D25 to D38	D40 to D65	D80 and D95	D40 to D65	D80 and D95
LC1								
c	3.14 (80)	3.66 (93)	4.64 (118)	5.19 (132)	4.68 (119)	5.11 (130)	6.92 (176)	7.32 (186)
G	1.37 (35)	1.37 (35)	1.37 (35)	1.37 (35)	–	–	D40 and D65	D80
H	2.36 (60)	2.36 (60)	2.36 (60)	2.36 (60)	–	–	6.73 (171)	7.12 (181)
Note: Units with DC coils have round mounting holes ONLY and are spaced at 70 mm.								

LC1D09 to D38 Panel mounted



Control circuit:	ac		dc	
	D09 to D18	D25 to D38	D09 to D18	D25 to D38
LC1				
c with cover	3.38 (86)	3.62 (92)	3.76 (95)	3.97 (101)
4-pole contactors				

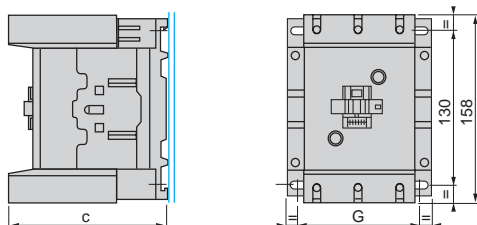
LC1D40 to D95, LP1D40 to D80 Panel mounted



Control circuit:	ac		dc	
	D40 to D65	D80 and D95	D40 to D65	D80 and D95
LC1				
c with cover	4.68 (119)	5.11 (130)	6.92 (176)	7.92 (186)
LP1	–	–	D40 and D65	D80
c without cover	–	–	6.73 (171)	7.12 (181)

LC1D115, D150

Panel mounted



LC1	D115	D1156	D150	D1506
c	5.19 (132)	4.52 (115)	5.19 (132)	4.52 (115)
G (3-pole)	3.77/4.33 (96/110)	3.77/4.33 (96/110)	3.77/4.33 (96/110)	3.77/4.33 (96/110)
G (4-pole)	5.11/5.66 (130/144)	5.11/5.66 (130/144)	–	–

▲ Units with DC coils have round mounting holes ONLY and are spaced at 70 mm.