Tesys D, D Green contactors				
Type of product	Range			Pages
AC/DC compatible coil contactors - TeSys D Green AC-3, AC-1, UL CSA	From 9 to 80 A			B8/2
AC-3 applications - 3-pole, 4-pole contactors	From 9 to 150 A		唐灣門	B8/8
AC-1 applications - 3-pole, 4-pole contactors	From 25 to 200 A	•		B8/9
UL CSA standards - 3-pole contactors	From 25 to 200 A			B8/14
Reversing, changeover pre-assembled contactors	From 9 to 150 A			B8/15
AC/DC compatible coil, reversing contactors - TeSys D Green	From 9 to 80 A			B8/17
Contactors for switching capacitor banks	From 12.5 to 60 kVAR			B8/20
Auxiliary contact blocks – accessories – spare	e coils for TeSys D, TeSys D Green			B8/22

TeSys SK, K Mini-contactors								
Mini-contactors TeSys SK	Up to 6 A	Division (Salate	B8/37					
Mini-contactors TeSys K	From 6 to 16 A	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B8/39					
Reversing pre-assembled mini-contact TeSys K	ctors From 6 to 16 A	2200-0000 	B8/43					
Auxiliary contact blocks - accessories	S		B8/48					



S207 Contactors for railways applications. Click on image to download.



S335 Contactors for electrodomestic application. Click on image to download.

Contactors for use in modular er	nclosures / Din rail		
Mini-contactors TeSys SKGC	Up to 20 A	District Control of the Control of t	B8/51
Modular contactors TeSys GC	From 16 to 100 A		B8/53
Dual tariff contactors TeSys GY	16, 25, 40 or 100 A		B8/54
Impulse relay TeSys GF	Up to 16 A		B8/55
Auxiliary contact blocks - accessories TeSys GC, GY			B8/56

Technical Data for Designers

B8/57

TeSys D Green, enriching TeSys D family

TeSys D conventional contactors 9 to 150 A, for motor control and other applications.

TeSys D Green delivers a consistent low consumption range of contactors from 9 A to 80 A, covering control voltage from 24 to 250 V, with same coils for AC and DC.





When implemented with other Schneider Electric products*, **TeSys D Green** contactors are part of a comprehensive solution that is ideal for all types of industrial machines and processes.



TeSys LR9D

By combining a TeSys D Green contactor with our new TeSys LR9D electronic overload relay, you will have less heat generation, and further reduce energy consumption.



^{*} such as PLC I/O type M580, M340, M221 or M241 or extended I/O type Advantys STB range, or in association with electronic overload relays LR9D or TeSys T.

Introduction



Highly competitive coil consumption

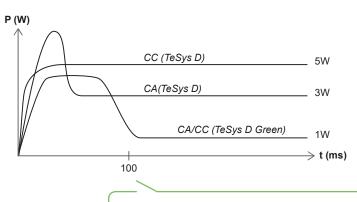
Small changes can generate big savings. The new TeSys D Green contactor is equipped with an innovative electronic coil. These electronic-coil contactors require up to 80 % less energy than electro-mechanical contactors. This innovation results in concrete values: for example, large plants can noticeably reduce their energy bills and heat dissipation in cabinet.

09-12-18 A 25-32-38 A

A 40-50-65-80 A

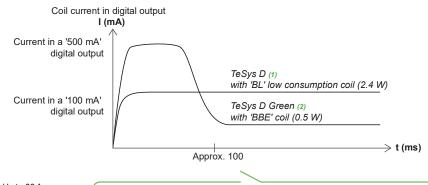
Coil currents comparison

TeSys D Green (AC/DC coil) vs Tesys D (AC, DC coils)



TeSys D Green brings a significant reduction of energy consumption.





(1) Up to 38 A. (2) 40 to 80 A.

TeSys D Green is well adapted to direct control by PLC static outputs, even in its high ratings.

TeSys TeSys D Green Contactors

Product references



LC1D09



LC1D40A















TeSys D Green contactors have a dark grey casing and a 3-character code voltage.

3-ро	le co	ntacto	ors - N	lotor	contro	ol up to	37 k	kW / 4	400 V - Category AC-3	
50-60	Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 $(\theta \leqslant 60~^{\circ}\text{C})$				Rated opera- tional current in AC-3			Basic reference, to be completed by adding the control voltage code	Weight	
220 V 230 V	380 V 400 V	415 V	440 V	500 V	660 V 690 V	– 440 V up to	\	7		
kW	kW	kW	kW	kW	kW	Α				kg
Conn	ection	by scre	ew clan	np term	inals					
2.2	4	4	4	5.5	5.5	9			LC1D09•••	0.368
3	5.5	5.5	5.5	7.5	7.5	12	1	1	LC1D12•••	0.373
4	7.5	9	9	10	10	18	1		LC1D18•••	0.378
5.5	11	11	11	15	15	25	1	1	LC1D25•••	0.433
7.5	15	15	15	18.5	18.5	32	1	1	LC1D32•••	0.438
9	18.5	18.5	18.5	18.5	18.5	38			LC1D38•••	0.442
Powe	r conn	ections	by Ev	erLink®	BTR (2)	screw co	onne	ctors a	and control by screw clamp terminal	
11	18.5	22	22	22	30				LC1D40A•••	0.992
15	22	25	30	30	33	5			LC1D50A•••	0.997
18.5	30	37	37	37	3				LC1D65A•••	1.002
22	37	37	37	37	37	6			LC1D80A•••	1.002
Conn	ection	for lug	s or ba	rs ⁽⁴⁾						

For LC1D40A to LC1D80A, insert a figure 6 before the voltage code.

Example: LC1D40A • • becomes LC1D40A6 • • •

Auxiliary contact blocks and add-on modules See pages B8/22 to B8/28.

See pages Borzz	2 10 00/20.				
Control volt	age codes				
AC/DC or 24 V	DC supply				
Volts	24 (DC only)	24-60	48-130	100-250	
LC1D09D38, LC1D40A D80A					
U 0.851.1 Uc		BNE	EHE	KUE	
LC1D09 D38					-
U 0.8 1.2 Uc	BNE				
LC1D40A D80A			·	·	
U 0.81.2 Uc	BBE				

- (1) LC1D09 to D80A: clip-on mounting on 35 mm ur rail NSYSDR or screw fixing.
 (2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see B8/28).
- (3) Please consult your Regional Sales Office.

Contactors

B8/4

TeSys TeSys D Green Contactors

Product references



LC1D09•••



LC1D40A•••



LC1DT60A•••

TeSys D Green contactors have a dark grey casing and a 3-character code voltage.

3-pole co	ntactors - Lo	oad co	ntrol	froi	m 25 to 80 A - Catego	ry AC-1
maximum cu (θ ≤ 60 °C) utilisation ca		tane	an- eous iliary tacts		Partial reference, to be completed by adding the control voltage code	Weight
AC-1	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<i>t</i>	Ļ		Fixing (1)	
Α						kg
Connection	n by screw cla	mp term	ninals			
25	3	1	1		LC1D09•••	0.368
				or	LC1D12•••	0.373
32	3	1			LC1D18•••	0.378
40	3	1			LC1D25•••	0.433
50	3	1			LC1D32•••	0.438
				or	LC1D38•••	0.442
Connection	n by EverLink®	, BTR so	crew c	onn	ectors (2)	
60	3	1	1		LC1D40A•••	0.992
80	3	1			LC1D50A•••	0.997
				or	LC1D65A••• (3)	1.002
				or	LC1D80A••• (3)	1.002

Connection for lugs or bars

For LC1D40A to LC1D80A, insert a figure 6 before the voltage code.

Example: LC1D40A • • becomes LC1D40A6 • • •

4-pole c	4-pole contactors								
Connection	on by EverLink	®, BTR (2	screw	connectors					
60	4	1	1	LC1DT60A	1.230				
80	4	1		LC1DT80A•••	1.290				
Cannactic	n for lugo or b								

Connection for lugs or bars For LC1DT60A to LC1DT80A, insert a figure 6 before the voltage code.

Example: LC1DT60A • • • becomes LC1DT60A6 • • •

4-pole c	hangeover (contac	tors		
Connectio	n by EverLink	®, BTR (2)	screw	connectors	
60	4	1	1	LC2DT60A•••	2.460
80	4	1		LC2DT80A•••	2.580

Control	Control voltage codes							
AC/DC 24	V DC supply							
Volts	24 (DC only)	24-60	48-130	100-250				
LC1D09D8	30A and LC●DT60A	DT80A						
U 0.85 1.1	Uc	BNE	EHE	KUE				
LC1D09 D	38							

U 0.8 1.2 Uc BNE LC1D40 to LC1D80A, LCeDT60A to LCeDT80A

U 0.8...1.2 Uc

- (1) LC1D09 to D80A, LC+DT60A and LC+DT80A: clip-on mounting on 35 mm _rail NSYSDR
- (2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).
 (3) Coordination tables according to the number of operation cycles, consult online datasheets
- for values.













TeSys TeSys D Green Contactors

Product references



LC1D09•••



LC1D40A•••











TeSys D Green contactors have a dark grey casing and a 3-character code voltage.

Standa	ard power	ratings	f motors	50/60 Hz	!	Associated cable	Continuous	Type of contactor required
Single-phase 1 Ø		3-phas 3 Ø	е			type 75 °C-Cu	current	Partial reference, to be completed by adding the control voltage code
115 V	230 V 240 V	200 V 208 V	230 V 240 V	460 V 480 V	575 V 600 V	-		Fixing, connection (1)
HP	HP	HP	HP	HP	HP		Α	
Conn	ection b	y screw	clamp t	erminal	s			
1/3	1	2	2	5	7.5	WG 18 - 10	25	LC1D09•••
).5	2	3	3	7.5	10	AWG 18 - 10	25	LC1D12•••
1	3	5	5	10	15	AWG 18 - 8	32	LC1D18•••
2	3	7.5	7.5	15	20	AWG 14 - 6	40	LC1D25•••

Pov	ver conn	ections l	by Ever	Link® B	TR (2) scre	ew connectors and	control by	spring terminals
3	5	10	10	30	3	WG 16 - 2	60	LC1D40A•••
3	7.5	15	15	40	40	WG 16 - 2	70	LC1D50Aeee
5	10	20	20	40	50	WG 16 - 2	80	LC1D65Aeee
5	10	20	20	40	50	WG 16 - 2	80	LC1D80Aeee

Connection for lugs or bars

For LC1D40A to LC1D80A, insert a figure 6 before the voltage code.

Example: LC1D40A • • becomes LC1D40A6 • •

Applications with High-Fault Short-Circuit Current ratings

High-fault short-circuit current ratings are: 100 kA at 600 V with Class J fuses and 85 kA (D09-38), 100 kA (D40A-65A) at 480 V and 50 kA at 600 V with circuit breakers.

(2 :0; : 00; :) at 10	0 1 4114 00 14 141 000	· min on our broan	0.0.		
Control volta	age codes				
AC/DC 24 V DC	supply				
Volts	24 (DC only)	24-60	48-130	100-250	
LC1D09 D32, LC	1D40A D80A				
U 0.85 1.1 Uc		BNE	EHE	KUE	
LC1D09 D38					
U 0.8 1.2 Uc	BNE				
LC1D40A D80A					
U 0.81.2 Uc	BBE				

- (1) LC1D09 to D80: clip-on mounting on 35 mm \(\sim \) rail NSYSDR or screw fixing.
- (2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).



Schneider Belectric

ontactors

TeSys TeSys D Green Contactors

Product references

TeSys D Green contactors - Coordination with PLC output modules (static/relay/triac)

Selection of PLC coordinated contactors

Laboratory tests have been carried out in order to validate trouble free contactor closings and openings with different PLC output modules.

The coil must be defined according to the contactor rating range and output module. See selection table below.

The PLC	your are using				Compatible	Coil code
PLC type	Output type	Output I (A)	Output module commercial reference	>>>	contactors (1)	
M221 /	Static output:	0.5	TM3DQ8••• and Q16•••		LC1D09●● to LC1D38●●,	BL, BNE
M241 / M251	24 V DC		(T, TG, U, UG)	>>>	LC1D40A••• to LC1D80A, LC1DT60A••• to LC1DT80A•••	BBE
		0.3 (sealed) 0.8 (inrush)	TM3XTYS4	>>>	LC1D40A•••• to LC1D80A, LC1DT60A••• to LC1DT80A•••	BBE, BD, BNE
		0.1	TM3DQ16●● and Q32●● (TK, UK)	>>>	LC1D09•• to LC1D38••	BL
	Relay output: 24 V DC / 230 V AC	2	TM3DQ8 and DQ16 (R,RG), TM3DM8 and DM24 (R,RG)	>>>	LC1D09ee to LC1D38ee, LC1D40Aeee to LC1D80A, LC1DT60Aeee to LC1DT80Aeee	Code of any DC coil up to 24 V or any AC coil up to 230 V
M340 /	Static output:	0.5	BMXDDO1602 and DM16022		LC1D09●● to LC1D38●●	BL, BNE
M580	24 V DC			>>>	LC1D40A••• to LC1D80A, LC1DT60A••• to LC1DT80A•••	BBE
		0.1	BMXDDO3202, BMXDDM3202K, BMXDDO6402K	>>>	LC1D09 •• to LC1D38 ••	BL
	Relay output: 24 V DC / 230 V AC	2	BMXDRA0805 and DM16025	>>>	LC1D09ee to LC1D38ee, LC1D40Aeee to LC1D80A, LC1DT60Aeee to LC1DT80Aeee	Code of any DC coil up to 24 V or any AC coil up to 230 V
	Triac output: 230 V AC	0.6	BMXDAO1605	>>>	LC1D09ee to LC1D38ee, LC1D40eee to LC1D80Aeee, LC1DT60Aeee to LC1DT80Aeee	Code of any AC coil up to 230 V (P7 code = 230 V)
ADVANTYS	Static output: 24 V DC	0.5	STBDDO3200		LC1D09●● to LC1D38●●	BL, BNE
				>>>	LC1D40A••• to LC1D80A, LC1DT60A••• to LC1DT80A•••	BBE
	Triac output: 230 V AC	2	STBDAO8210	>>>	LC1D09ee to LC1D38ee, LC1D40Aeee to LC1D80A, LC1DT60Aeee to LC1DT80Aeee	Code of any AC coil up to 230 V (P7 code = 230 V AC

Coils consumption characteristics

C	Cons consumption characteristics											
C	oil type	Uc DC - min -max	Average consumption at UC DC / 20 °C									
			Inrush	Sealed								
BL	_	24 V - 0.8 Uc to 1.1 Uc	2.4 W - 2.4 VA	2.4 W - 2.4 VA								
ΒN	ΝE		14 W - 14 VA	0.7 W - 0.7 VA								
BE	BE		11 W - 11 VA	0.5 W - 0.5 VA								

(1) Replace dot by coil code. Ex LC1D09 • becomes LC1D09BL.

Product references



LC1D09••



LC1D25••



LC1D80A●●



LC1D95••

Contactors



LC1D115.

50-60	3-pole contactors - Motor conti Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 (θ ≤ 60 °C)		otors	Rated operational current in AC-3			Basic reference, to be completed by adding the control voltage code Fixing (1)	Weight (2)			
	380 V 400 V	415 V	440 V	500 V	660 V 690 V		- 440 V up to		7		
kW	kW	kW	kW	kW	kW	kW	Α				kg
Conr	nectio	n by s	crew	clam	o term	ninals					
2.2	4	4	4	5.5	5.5	-	9	1	1	LC1D09●●	0.320
3	5.5	5.5	5.5	7.5	7.5	_	12	1	1	LC1D12••	0.325
4	7.5	9	9	10	10	_	18	1	1	LC1D18••	0.330
5.5	11	11	11	15	15	_	25	1	1	LC1D25●●	0.370
7.5	15	15	15	18.5	18.5	_	32	1	1	LC1D32ee	0.375
9	18.5	18.5	18.5	18.5	18.	-	38	1	1	LC1D38••	0.380
Powe	er con	nectio	ons by	/ Evei	'Link®	BTR so	rew con	necto	ors (3) a	and control by screw clamp terminal	
11	18.5	22	22	22	30	-	40	1	1	LC1D40A●●	0.850
15	22	25	30	30	33	-	50	1	1	LC1D50A●●	0.855
18.5	30	37	37	37	37	-	65	1	1	LC1D65A●●	0.860
22	37	37	37	37	37	_	66	1	1	LC1D80A●●	0.860
Conr	nectio	n by s	crew	clam	o term	ninals or	connect	ors			
22	37	45	45	55	45	4				LC1D80ee	1.590
25	45	45	45	55	45	4				LC1D95••	1.610
30	55	59	59	75	80	6				LC1D115	2.500
40	75	80	80	90	100	75	150	1	1	LC1D150●●	2.500

Connection by lugs or bars

In the references selected above, insert a figure 6 before the voltage code.

Example: LC1D09 • becomes LC1D096 • .

Separate components

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28.

(1) LC1D09 to D80A: clip-on mounting on 35 mm □ rail NSYSDR or screw fixing.

LC1D80 to D95 ∼: clip-on mounting on 35 mm □ rail NSYSDR or 75 mm □ rail AM1DL or screw fixing.

LC1D80 to D95 ः: clip-on mounting on 75 mm □ rail AM1DL or screw fixing.

LC1D115 and D150: clip-on mounting on 2 x 35 mm □ rails NSYSDR or screw fixing.

		<u> </u>		m 🗀 ra									
Standard contro	l circuit	volta	ges	for oth	er vol	tages,	please	cons	ult yo	ur Reç	gional	Sales	Office
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09D150 (D115 an	id D150 coils	with bu	ilt-in su	ppression	on as sta	andard,	by bi-di	rection	al peak	limiting	diode).		
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7
LC1D09D65 (not availa	ıble with "cor	nection	for lug	s or bars	s")								
50 Hz	B5	D5	E5				P5						
LC1D80D115													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	-	E6	F6	-	M6	-	U6	Q6	-	-	R6	-
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1D09D38 (coils with	integral supp	oression	device	e fitted a	s standa	ard, by I	oi-direct	ional pe	ak limit	ing diod	de)		
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC1D40AD65A (coils v	with integral s	suppres	sion de	vice fitte	d as sta	ndard	hy hi-di	rections	al neak l	imitina	diode)		
						iiiaaia,	Dy Di-uii	CCLIOTIC	ii podit i	9	alouo,		
U 0.751.25 Uc	JD	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	RD		
U 0.751.25 Uc LC1D80D95	JD				_			_					
	JD JD				_			_					
LC1D80D95		(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	RD		
LC1D80D95 U 0.851.1 Uc	JD JW	BD BW	CD CW	ED EW	(4) ND -	SD SW	(4)	(4) GD	(4) MD	(4)	RD RD		
U 0.851.1 Uc U 0.751.2 Uc	JD JW	BD BW	CD CW	ED EW	(4) ND -	SD SW	(4)	(4) GD	(4) MD	(4)	RD RD		
LC1D80D95 U 0.851.1 Uc U 0.751.2 Uc LC1D115 and D150 (coil	JD JW	BD BW suppress	CD CW	ED EW vice as s	ND - standard	SD SW	FD FW	(4) GD -	MD MW	UD _	RD RD		
U 0.851.1 Uc U 0.751.2 Uc LC1D115 and D150 (coil U 0.751.2 Uc	JD JW	BD BW suppress	CD CW	ED EW vice as s	ND - standard	SD SW	FD FW	(4) GD -	MD MW	UD _	RD RD		
U 0.851.1 Uc U 0.751.2 Uc LC1D115 and D150 (coil U 0.751.2 Uc Low consumption	JD JW with built-in s –	BD BW suppress BD	CD CW sion de	ED EW vice as s ED	ND – standard ND	SD SW SD SD	FD FW FD 220	GD – GD 250	MD MW	UD –	RD RD RD		

a.c. / d.c. supply - low consumption

See TeSys D Green, page B8/4

- For other voltages between 5 and 690 V, see pages B8/31 to B8/34.
 (2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg from LC1D40A to D80A and 1 kg for LC1D80 and D95.
- (3) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).
 (4) For these coil voltages, choose from TeSys D Green contactors. Same product ref. radical, just add BBE coil voltage code for

24 V DC, BNE for 24-60V AC/DC, EHE for 48-130 V AC/DC, KUE for 100-250 V AC/DC. Exemple: LC1D40ABBE.

Characteristics: Dimensions: Schemes: Click HERE for access to online contactor selector pages B8/59 to B8/65 pages B8/72 to B8/75 pages B8/79 to B8/80

Product references



LC1D123 ••



LCD80A3●●

Standard power ratings of 3-phase motors Fated operational current in danaeous (e ≤ 60 °C)	3-pc	ole c	onta	ctors	- Мс	otor o	contro	ol up to 30	kW	at 4	00 V, in category AC-3
Residue Figure Figure	50-60 Hz in category ÃC-3 (θ ≤ 60 °C)				otors	operational current in AC-3 440 V	tanec	us ary	to be completed by adding the control voltage code		
Power and control connections by spring terminals 2.2 4 4 4 5.5 5.5 9 1 1 LC1D093●● 3 5.5 5.5 5.5 7.5 12 1 1 LC1D123●● 4 7.5 9 9 10 10 18 1 LC1D183●● 5.5 11 11 15 15 25 1 1 LC1D253●● 7.5 15 15 18.5 18.5 32 (2) 1 1 LC1D323●● Power connections by EverLink® BTR screw connectors (3) and control by spring terminals 11 18.5 22 22 23 30 40 1 1 LC1D40A3●● 15 22 25 30 30 3 LC1D50A3●● 18.5 30 37 37 37 65 1 1 LC1D65A3●●				440 V	500 V			-)	7	
2.2	kW	kW	kW	kW	kW	kW	kW	Α			
3 5.5 5.5 5.5 7.5 7.5 12 1 1 LC1D123ee 4 7.5 9 9 10 10 18 1 LC1D183ee 5.5 11 11 11 15 15 25 1 1 LC1D233ee 7.5 15 15 15 18.5 18.5 32 (2) 1 1 LC1D323ee Power connections by EverLink® BTR screw connectors (3) and control by spring terminals 11 18.5 22 22 22 30 40 1 1 LC1D40A3ee 15 22 25 30 30 3 3 LC1D50A3ee 18.5 30 37 37 37 37 65 1 1 LC1D65A3ee	Powe	er and	conti	ol co	nnecti	ions b	y sprin	g terminals			
4 7.5 9 9 10 10 18 1 LC1D183ee 5.5 11 11 11 15 15 25 1 1 LC1D253ee 7.5 15 15 15 18.5 18.5 32 (2) 1 1 LC1D323ee Power connections by EverLink® BTR screw connectors (3) and control by spring terminals 11 18.5 22 22 22 30 40 1 1 LC1D40A3ee 15 22 25 30 30 3 3 LC1D50A3ee 18.5 30 37 37 37 37 65 1 1 LC1D65A3ee	2.2	4	4	4	5.5	5.5		9	1	1	LC1D093●●
5.5 11 11 11 15 15 25 1 1 LC1D253ee 7.5 15 15 15 18.5 18.5 32 (2) 1 1 LC1D323ee Power connections by EverLink® BTR screw connectors (3) and control by spring terminals 11 18.5 22 22 22 30 40 1 1 LC1D40A3ee 15 22 25 30 30 3 3 LC1D50A3ee 18.5 30 37 37 37 37 65 1 1 LC1D65A3ee	3	5.5	5.5	5.5	7.5	7.5		12	1	1	LC1D123●●
7.5 15 15 15 18.5 18.5 32 ⁽²⁾ 1 1 LC1D323● Power connections by EverLink® BTR screw connectors ⁽³⁾ and control by spring terminals 11 18.5 22 22 22 30 40 1 1 LC1D40A3● 15 22 25 30 30 3 3 LC1D50A3● 18.5 30 37 37 37 37 65 1 1 LC1D65A3●	4	7.5	9	9	10	10		18	1		LC1D183●●
Power connections by EverLink® BTR screw connectors (s) and control by spring terminals 11 18.5 22 22 22 30 40 1 1 LC1D40A3 15 22 25 30 30 3 LC1D50A3 18.5 30 37 37 37 65 1 1 LC1D65A3	5.5	11	11	11	15	15		25	1	1	LC1D253●●
11 18.5 22 22 22 30 40 1 1 LC1D40A3 15 22 25 30 30 3 LC1D50A3 18.5 30 37 37 37 37 65 1 1 LC1D65A3	7.5	15	15	15	18.5	18.5		32 (2)	1	1	LC1D323●●
15 22 25 30 30 3 LC1D50A3•• 18.5 30 37 37 37 37 65 1 1 LC1D65A3••	Powe	er con	nectio	ons by	/ Ever	Link®	BTR so	rew connec	ctors	(3) and	control by spring terminals
18.5 30 37 37 37 65 1 1 LC1D65A3 ••	11	18.5	22	22	22	30		40	1	1	LC1D40A3ee
	15	22	25	30	30	3					LC1D50A3●●
22 37 37 37 37 66 1 1 LC1D80A3●●	18.5	30	37	37	37	37		65	1	1	LC1D65A3●●
	22	37	37	37	37	37		66	1	1	LC1D80A3●●

These contactors are fitted with Faston connectors: 2×6.35 mm on the power poles and 1×6.35 mm on the coil and auxiliary terminals.

For contactors LC1D09 and LC1D12 only, replace the figure 3 with a 9 in the references selected above. Example: LC1D093 • becomes LC1D099 • •.

Separate components

Connection by Faston connectors

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28.

(1) LC1D09 to D32: clip-on mounting on 35 mm \perp r rail NSYSDR or screw fixing.

Standard control of	circuit	volta	ges (f	or othe	r volta	ges, p	lease d	consult	your	Regional	Sales	Office)
a.c. supply			ì									
Volts	24	42	48	110	115	220	230	240	380	400	415	440
LC1D09D80A												
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7
d.c. supply												
Volts	12	24	36	48	60	72	110	125	220	250	440	
LC1D09D32 (coils with into	egral supp	ression	device f	itted as s	tandard	l, by bi-	direction	al peak	limiting	diode)		
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD	
LC1D40AD65A (coils with	integral s	uppres	sion dev	ice fitted	as stand	dard, by	bi-direc	ctional pe	ak lim	iting diode)		
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD	
Low consumption												
Volts	5	12	20	24	48	110	220	250				
LC1D09D32 (coils with into	egral supp	ression	device f	itted as s	tandard	l, by bi-	direction	al peak	limiting	diode)		
U 0.81.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL				
For other voltages between 5	and 690	V see n	ages B8	/31 to B8	3/34							

- For ourer voiceges between 3 and 090 v, see pages 66/3 г to 66/34. (2) Must be wired with 2 x 4 mm² cables in parallel on the upstream side. On the downstream side, outgoing terminal block LAD331 may be used (Quickfit technology, see page B1/18). When wired with a single cable, the product is limited to 25 A (11 kW/400 V motors).
- (3) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).











Product references



LC1D09 • •











Contactors

For other voltages between 5 and 690 V, see pages B8/31 to

B8/34.

(1) LC1D09 to D80A: clip-on mounting on 35 mm □ rail
NSYSDR or screw fixing.

LC1D80 and D95 ~: clip-on mounting on 35 mm □ rail
NSYSDR or 75 mm □ rail AM1DL or screw fixing.

LC1 or LP1D80 to D95 ...: clip-on mounting on 75 mm □
rail AM1DL or screw fixing.

LC1D115 and D150: clip-on mounting on 2 x 35 mm \(\text{rails NSYSDR} \) or screw fixing.

(2) The weights indicated are for contactors with a.c. control

(2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg from LC1D40A to D80A and 1 kg for LC1D80 and D95.

(3) BTR screws: hexagon socket head. In accordance with

local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).

(4) Coordination tables according to the number of operating cycles, see AC-1 curve, page A6/40.
(5) 32 A with 2 x 4 mm² cables connected in parallel.

(6) For these coil voltages, choose from TeSys D Green contactors. Same product ref. radical, just add BBE coil voltage code for 24 V DC, BNE for 24-60 V AC/DC, EHE for 48-130 V AC/DC, KUE for 100-250 V AC/DC. Exemple: LC1D40ABBE.

Non inductive loads maximum current $(\theta \le 60 ^{\circ}\text{C})$ utilisation category	Number of poles		aux	an- eous iliary tacts		Basic reference, to be completed by adding the control voltage code	Weight
AC-1	\	7		7		Fixing (1)	
Α							kg
Connection by s	crew c	lamp	tern	ninals			
25	3		1			LC1D09●●	0.320
					or	LC1D12••	0.32
32	3		1	1		LC1D18●●	0.330
40	3		1			LC1D25●●	0.370
50	3		1	1		LC1D32••	0.37
					or	LC1D38●●	0.380
Connection by E	verLin	k®, B	TR s	crew o	conn	ectors (3)	
60	3		1	1		LC1D40A●●	0.850
80	3		1			LC1D50A●●	0.85
					or	LC1D65A●● (4)	0.860
					or	LC1D80A●● (4)	0.860
Connection by s	crew c	lamp	tern	ninals	or c	onnectors	
125	3		1	1		LC1D80●●	1.590
					or	LC1D95ee (4)	1.610
200	3		1	1		LC1D115••	2.500
					or	LC1D150 • (5)	2.500

In the references selected above, insert a figure 6 before the voltage code. Example: LC1D09 • becomes LC1D096 • •

Standard cont					_		nal (Sales	offi	ice)			
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09D150 (LC10)115 a	nd D1	50 co	ils wit	h buil	t-in sı	ippre:	ssion	devic	e as s	tanda	rd)	
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7
LC1D09D65 (not ava	ailable	with '	conne	ection	for lu	gs or	bars")					
50 Hz	B5	D5	E5				P5						
LC1D80D150													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	_	E6	F6	_	M6	_	U6	Q6	-	_	R6	_
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1D09D38 (coils w limiting diode)	ith inte	egral s	suppre	essior	n devi	ce fitte	ed as	stand	ard, b	y bi-d	lirection	onal p	eak
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC1D40AD65A (coipeak limiting diode)	Is with	integ	ral su	ppres	sion d	levice	fitted	l as st	andaı	rd, by	bi-dir	ection	nal
U 0.751.25 Uc	JD	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	RD		
LC1 or LP1D80 and D	95												
U 0.851.1 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
								_	MW				
U 0.751.2 Uc	JW	BW	CW	EW	-	SW	FW	_	IVIVV	_	_		
U 0.751.2 Uc LC1D115 and D150 (co											_		
											RD		
LC1D115 and D150 (co	oils wit	h buil		ppres	ssion	device	e fitte	d as s	tanda	rd)	RD		
LC1D115 and D150 (co	oils wit	h buil		ppres	ssion	device	e fitte	d as s	tanda	rd)	RD		

ZL BL EL FL ML UL

Click HERE for access to online contactor selector

Schneider

U 0.8...1.25 Uc

AL JL





3-pole contactors - Load control from 16 to 80 A in category AC-1 Basic reference, to be completed by adding Non inductive Number Instan-Weight loads maximum of poles taneous auxiliary contacts the control voltage code current (θ ≤ 60 °C) utilisation Fixing (1) category AC-1 kg Connection by spring terminals 0.320 16 LC1D093 • (3) or **LC1D123**•• (3) 0.325 25 LC1D183ee (4) 0.335 or LC1D253 • (5) 0.325 or **LC1D323**•• (5) 0.325

Power connections by EverLink® BTR screw connectors (6) and control by

LC1D40A3 • •

LC1D50A3ee (7

LC1D65A3ee (7)

or LC1D80A3ee (7)

3-pole contactors for connection by Faston connectors

1

These contactors are fitted with Faston connectors: 2 x 6.35 mm on the power poles and 1 x 6.35 mm on the coil terminals. For contactors LC1D09 and LC1D12 only, in the references selected from the previous page, insert a figure 9 before the voltage code. Example: LC1D09•• becomes LC1D099••.

Separate components

spring terminals

60

80

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28.

Standard contr (for other voltages					•		nal (Sales	offi	ice)			
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09D80A													
50/60 Hz	В7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1D09D32 (coils wi	th inte	egral s	suppre	essior	n devi	ce fitte	ed as	stand	ard, b	y bi-d	lirection	onal p	eak
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC1D40AD65A (coils peak limiting diode)	s with	integ	ral su	opres	sion d	evice	fitted	as sta	andar	d, by	bi-dire	ection	al
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		

Low	consu	imption	

Volts == 5 12 20 24 48 110

LC1D09...D32 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)

U 0.8...1.25 Uc AL JL ZL BL EL FL ML UL

- For other voltages between 5 and 690 V, see pages B8/31 to B8/34.
 (1) LC1D09 to D80A: clip-on mounting on 35 mm ur rail NSYSDR or screw fixing.
- (2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg from LC1D09 to D38 and 0.075 kg from LC1D40A to D80A.
- (3) 20 A with 2 x 2.5 mm² cables connected in parallel.
- (4) 32 A with 2 x 4 mm² cables connected in parallel.
- (5) 40 A with 2 x 4 mm² cables connected in parallel.
- (6) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).
- (7) Coordination tables according to the number of operating cycles, see AC-1 curve, page A6/40.

0.850

0.855

0.860

0.860







Product references

20



LC1DT20





LC1DT80A●●



Contactors



LC1D65008 • •

4-pole contacto	rs - Load	control, 20 to	o 200 A in category AC-1	
Non inductive loads maximum current (0 ≤ 60 °C)	Number of poles	Instantaneous auxiliary contacts	Basic reference, to be completed by adding the control voltage code	Weight (2)
utilisation category AC-1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Fixing (1)	
A				kg
Connection by scre	ew clamp te	rminals		

LC1DT20●●

LC1D098 • •

25	4	_	1	1		LC1DT25ee	0.365
	2	2	1	1		LC1D128ee	0.365
32	4	-	1	1		LC1DT32●●	0.425
	2	2	1	1		LC1D188●●	0.425
40	4	-	1	1		LC1DT40●●	0.425
	2	2	1	1		LC1D258●●	0.425
Connection by	EverLink	®, BTF	Screv	w con	necto	's	
60	4	-	1	1		LC1DT60A●●	1.090
80		-	1	1		LC1DT80A●●	1.150
Connection by	screw cla	ımp te	ermina	ls or	conne	ctors	
60	2	2	-	-		LC1D40008●●	1.440
					or	LP1D40008●●	2.210
80	2	2	_	_		LC1D65008●●	1.450
					or	LP1D65008●●	2.220
125	4	_	_	_		LC1D80004●●	1.760
					or	LP1D80004••	2.685
	2	2	_	-		LC1D80008●●	1.840
					or	LP1D80008●●	2.910
200	4	_	_	_		LC1D115004ee	2.860

4-pole contactors for connection by lugs or bars

In the references selected above, insert a figure 6 before the voltage code.

Example: LC1DT20 • becomes LC1DT206 • •

Standard control ci	ircuit	volta	ges	(for oth	er vol	tages,	pleas	e cons	sult yo	ur Reç	gional	Sales	Office)
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09D150 and LC1DT20	0DT80	A (LC1	D115 a	nd D150	coils w	ith built	-in supp	ression	device	as stan	dard)		
50/60 Hz	В7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	
LC1D80D115													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	B6	_	E6	F6	-	M6	_	U6	Q6	_	-	R6	_
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1D09D25 and LC1DT20.	DT40 (coils wit	h integ	ral suppr	ession (device f	itted as	standar	d, by bi-	direction	nal peal	k limitin	g diode)
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC1DT60ADT80A (coils with	th integr	al suppr	essior	n device f	itted as	standa	rd, by bi	-directi	onal pe	ak limitiı	ng diod	e)	
U 0.751.25 Uc	JD	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	RD		
LP1D40D80													
U 0.851.1 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
U 0.751.2 Uc	JW	BW	CW	EW	-	SW	FW	-	MW	_	-		
LC1D115 (coil with built-in sup	opressio	n device	e as st	andard)									
U 0.751.2 Uc	-	BD	_	ED	ND	SD	FD	GD	MD	UD	RD		
Low consumption													
Volts ===	5	12	20	24	48	110	220	250					
LC1D09D25 and LC1DT20DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													

AL JL ZL For other voltages between 5 and 690 V, see pages B8/31 to B8/34.

For other voltages between 5 and 590 V, see pages B8/31 to B8/34.

(1) LC1D09 to D38 and LC1DT20 to DT80A: clip-on mounting on 35 mm ∟ rail NSYSDR or screw fixing.

LC1D80 ~: clip-on mounting on 35 mm ∟ rail NSYSDR or 75 mm ∟ rail AM1DL or screw fixing.

LC1 or LP1D80 —: clip-on mounting on 75 mm ∟ rail AM1DL or screw fixing.

LC1D115 and D150: clip-on mounting on 2 x 35 mm ∟ rails NSYSDR or screw fixing.

BL

- (2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg from LC1DT60A and D80A and 1 kg for LC1D80.
 (3) For these coil voltages, choose from TeSys D Green contactors. Same product ref. radical, just add BBE coil voltage code for

EL

FL

24 V DC, BNE for 24-60 V AC/DC, EHE for 48-130 V AC/DC, KUE for 100-250 V AC/DC. Exemple: LC1DT60ABBE.

Characteristics:

Dimensions: pages B8/72 to B8/75

Schemes: pages B8/79 to B8/80

Click HERE for access to online contactor selector

0.365

0.365

Product references



LC1DT253●●



LC1DT80A3••

Non inductive loads maximum	Num of po	nber	Inst tan	tan- eous	DI, 20 to 80 A in catego Basic reference, to be completed by	Weight (2)
current (θ ≤ 60 °C)				iliary itacts	adding the voltage code	
utilisation category AC-1	1	7		Ļ	Fixing (1)	_
Α						kg
Connection by	sprin	g ter	minal	s		
20	4	-	1	1	LC1DT203●●	0.380
	2	2	1	1	LC1D0983●●	0.380
25	4	_	1	1	LC1DT253●●	0.380
	2	2	1	1	LC1D1283●●	0.380
32	4	_	1	1	LC1DT323●●	0.425
	2	2	1	1	LC1D1883●●	0.425
40		_	1	1	LC1DT403●●	0.425
	2	2	1	1	LC1D2583●●	0.425
Connection by spring termina		Link®	, BTR	screw o	connectors and control circu	uit by
60	4	-	1	1	LC1DT60A3●●	1.090
80	4	_	1	1	LC1DT80A3●●	1.150

Sanara	to composite
Seuara	te components

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28.

Standard control circuit voltages													
(for other voltages, please consult your Regional Sales Office)													
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC1D09D25 and LC1DT20DT80A (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													
50/60 Hz	В7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	_
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC1D09D25 and LC1DT20DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC1DT60A80A (co peak limiting diode)	ils with	integr	al sup	press	sion de	evice	fitted	as sta	ındar	d, by b	i-dire	ctiona	al
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
Low consumption	n												
Volts	5	12	20	24	48	110	220	250					
LC1D09D25 and LC1DT20DT40 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													
U.0.8 1.25 U.c.	ΔI	TII.	71	RI	FI	FI	М	UII					

For other voltages between 5 and 690 V, see pages B8/31 to B8/34.

- (1) LC1D09 to D38 and LC1DT20 to DT80A: clip-on mounting on 35 mm _ rail NSYSDR or
- screw fixing.

 (2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.160 kg from LC1D09 to D38, 0.075 kg for LC1DT60A and DT80A.

Product references



LC1D09••



LC1D25











LC1D80A●●





Contactors conforming to UL and CSA standards (North American market) -

25 to	2 16U A							
Stand	ard power	ratings o	f motors	50/60 Hz	:	Associated cable	UL	Type of contactor required
Single 1 Ø	-phase	3-phase 3 Ø	е			type 75 °C-Cu	continuous current	Basic reference, to be completed
120 V	240 V	208 V	240 V	480 V	600 V			Fixing, connection (1)
HP	HP	HP	HP	HP	HP		Α	
Conn	ection by	screw	clamp t	erminal	s			
1/3	1	2	2	5	7.5	WG 18 - 10	25	LC1D09●●
0.5	2	3	3	7.5	1	WG 18 - 10	25	LC1D12••
1	3	5	5	10	15	AWG 18 - 8	32	LC1D18••
2	3	7.5	7.5	15	20	WG 14 - 6	40	LC1D25●●
2	5	10	10	20	2	WG 14 - 6	50	LC1D32●● (2)
2	5	10	10	20	25	AWG 14 - 6	50	LC1D38●● (2)
Powe	r connec	tions by	/ EverLi	ink® BTF	R screw co	onnectors and conti	rol by spring	terminals
3	5	10	10	30		WG 16 - 2	60	LC1D40A●●
3	7.5	15	15	40	40	AWG 16 - 2	70	LC1D50A●●
5	10	20	20	40	50	WG 16 - 2	80	LC1D65A●●
5	10	20	20	40	50	AWG 16 - 2	80	LC1D80A●●
Conn	ection by	screw	clamp t	erminal	s or conn	ectors		
7.5	15	25	30	60	60	AWG 10 - 2	110	LC1D80●●
7.5	15	25	30	60	60	AWG 10 - 2	110	LC1D95ee
	-	30	40	75	100	AWG 8-1/0	160	LC1D11500
_	-	40	50	100	125	AWG 8-1/0	160	LC1D150●●

Applications with High-Fault Short-Circuit ratings

High-fault short-circuit current ratings are: 100 kA (D09-80, D115-150) at 600 V with Class J fuses and 85 kA (D09-38), 100 kA (D40A-80, D115-150) at 480 V and 50 kA (D09-80, D115-150) at 600 V with circuit breakers.

Application example

For a 15 HP-230 V motor

Select a contactor type LC1D50A.

Information: the contactor rating selected corresponds to "size 2", the associated cable is type AWG3 75 °C-Cu.

Otan dand a stool should sale as a second	
Standard control circuit voltages (for other voltages, plea	ase consult vour Regional Sales Office)
Startage (15) Startages (15) Startages, pion	acc concant year regional calco emico,

a.c. supply																
Volts	24	42	48	110	115	120	208	220	230	240	380	400	415	440	480	500
LC1D09D150	(D115 a	and D1	50 coils	s with b	uilt-in s	suppres	sion d	evice a	ıs stan	dard)						
50/60 Hz	B7	D7	E7	F7	FE7	G7 (3)	LE7	³⁾ M7	P7	U7	Q7	V7	N7	R7	T7 (3)	S7
LC1D09D65 (r	ot ava	ilable w	ith "cor	nnectio	n for lu	gs or ba	ırs")									
50 Hz	B5	D5	E5						P5							
LC1D80D115																
50 Hz	B5	D5	E5	F5	FE5	G5	-	M5	P5	U5	Q5	V5	N5	R5	-	S5
60 Hz	B6	-	E6	F6	-	G6	L6	M6	-	U6	Q6	-	-	R6	T6	-
d.c. supply																
Volts	12	24	36	48	60	72	110	125	220	250	440					
LC1D09D32 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)																
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD					
LC1D40AD65	A (coils	with ir	ntegral	suppre	ssion d	evice fi	tted as	standa	ard, by	bi-dire	ctional	peak li	miting o	diode)		
U 0.751.25 Uc	JD	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	RD					
LC1D80 and D9	5															
U 0.851.1 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD					
U 0.751.2 Uc	JW	BW	CW	EW		SW	FW		MW							
LC1D115 and D	150 (cc	ils with	built-ir	suppr	ession	device	as sta	ndard)								
U 0.751.2 Uc	-	BD	-	ED	ND	SD	FD	GD	MD	UD	RD					
Low consum	ption															
Volts	5	12	20	24	48	72	110	220	250							
LC1D09D38 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)																
U 0.81.25 Uc	AL	JL	ZL	BL	EL	SL	FL	ML	UL							

⁽¹⁾ LC1D09 to D65A: clip-on mounting on 35 mm L rail NSYSDR or screw fixing.

Characteristics: Dimensions: Schemes: Click HERE for access pages B8/59 to B8/65 pages B8/72 to B8/75 pages B8/79 to B8/80 to online contactor selector

LC1D80 and LC1D95: clip-on mounting on 35 mm ☐ rail NSYSDR or 75 mm ☐ rail AM1DL or screw fixing.

LC1D115 and D150: clip-on mounting on 2 x 35 mm ☐ rails NSYSDR or screw fixing.

 ⁽²⁾ Versions with spring terminals LC1D323 and LC1D383 are not certified UL/CSA.
 (3) Contactors LC1D40A, 50A, 65A, 80A: for this coil voltage use is only on 60 Hz.
 (4) For these coil voltages, choose from TeSys D Green contactors. Same product ref. radical, just add BBE coil voltage code for 24 V DC, BNE for 24-60 V AC/DC, EHE for 48-130 V AC/DC, KUE for 100-250 V AC/DC. Exemple: LC1D40ABBE.

TeSys D Reversing contactors

(θ ≤ 60 °C)

Product references



LC2D12••



LC2D65A



LC2D1156 ••

3-pole reversing contactors - Motors up to 75 kW / 400 V in category AC-3

Horizontally mounted - Pre-wired power	connecti	ons.
Standard power ratings of 3-phase motors	Rated	Insta
50-60 Hz in category AC-3	opera-	tane

660 V 1000 V 690 V

operational current in AC-3 440 V up to

antaneous auxiliary contacts contactor

Contactors supplied with coil Basic reference, to be completed by adding the control voltage code

Weight

kg

Fixing (1)

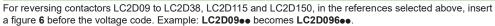
kW kW kW kW kW kW With mechanical interlock, without electrical interlocking, for connection by screw clamp terminals

2.2	4	4	4	5.5	5	_	9	1	1	LC2D09•• (3)	0.687
3	5.5	5.5	5.5	7.5	7.5	_	12	1	1	LC2D12•• (3)	0.697
4	7.5	9	9	10	10	_	18	1	1	LC2D18•• (3)	0.707
5.5	11	11	11	15	15	_	25	1		LC2D25•• (3)	0.787
7.5	15	15	15	18.5	18.5	_	32	1		LC2D32•• (3)	0.797
9	18.5	18.5	18.5	18.5	18.	_	38	1	1	LC2D38•• (3)	0.807
11	18.5	22	22	22	30	_	40	1		LC2D40A●●	1.870
15	22	25	30	30	33	_	50	1	1	LC2D50A●●	1.880
18.5	30	37	37	37	37	_	65	1	1	LC2D65A●●	1.890
22	37	45	45	55	45	_	80	1	1	LC2D80●●	3.200
25	45	45	45	55	45	_	95	1	1	LC2D95••	3.200

Wit	h mec	hanica	ıl inter	lock a	nd elec	ctrical	interlockir	ıg, for	conn	ection by screw clamp ter	minals or connectors
30	55	59	59	75	80	65	115	1	1	LC2D115 • •	6.350
40	75	80	80	90	100	75	150	1	1	LC2D150●●	6.400

Connection by lugs or bars

220 V 380 V 415 V 440 V 500 V 230 V 400 V



To build a 40 to 65 A reversing contactor, for connection by lugs, order 2 contactors LC1DeeA6 and mechanical interlock **LAD4CM** (see page B8/29).

Component parts

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28. (1) LC2D09 to D65A: clip-on mounting on 35 mm \(\text{r rail NSYSDR} \) or screw fixing.

LC2D80 and D95: clip-on mounting on 35 mm \perp rail **NSYSDR** or 75 mm \perp rail **AM1DL** or screw fixing.

LC2D115 and D150: clip-on mounting on 35 mm ∟r rall NSYSDR or screw fixing.
Standard control circuit voltages (for other voltages, please consult your Regional Sales Office

Standard control	circuit	voita	ges	(for oth	er vol	tages,	pleas	e cons	sult yo	ur Reç	gional	Sales	Office)
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC2D09D150 (D115 and	D150 coils	with bu	ilt-in s	uppression	on devi	ce as st	andard)						
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7
LC2D80D115													
50 Hz	B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5
60 Hz	В6	_	E6	F6	-	M6	-	U6	Q6	-	-	R6	-
d.c.supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC2D09D38 (coils with in	itegral sup	pression	n devic	e fitted as	s stand	ard, by	bi-direct	ional pe	eak limit	ting diod	de)		
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC2D40AD65A (coils wi	th integral:	suppres	sion d	evice fitte	d as st	andard,	by bi-di	rection	al peak	limiting	diode)		
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
Low consumption													
Volts	5	12	20	24	48	110							
LC2D09D38 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													
U 0.81.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL					

For other voltages between 5 and 690 V, see pages B8/31 to B8/34.

- (2) The weights indicated are for contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.330 kg for LC2D09 to D38, 0.150 kg for LC1D40A to D65A.
- (3) For reversing contactors with electrical interlocking pre-wired at the factory, add suffix V to the references selected above. Example: LC2D09P7 becomes LC2D09P7V.

Note: when assembling a reversing contactor, it is good practice to incorporate a 50 ms time delay.

Schneider

TeSys D Reversing contactors

Product references



LC2D123 • •

3-pole reversing contactors - Motors up to 15 kW / 400 V in category AC-3

Pre-wired power connections.

Mechanical interlock without electrical interlocking.

of 3-p	dard po phase n egory n 0 °C)	notors		Hz		Rated opera- tional current in AC-3 440 V up to	Insta tane auxil cont per cont	ous liary	Contactors supplied with coil Basic reference, to be completed by adding the voltage code	Weight (2)
	380 V 400 V		440 V	500 V	660 V 690 V				Fixing (1)	_
kW	kW	kW	kW	kW	kW	A				kg
For o	conne	ction I	oy spr	ing te	rminal	s				
2.2	4	4	4	5.5	5.5	9	1	1	LC2D093••	0.687
3	5.5	5.5	5.5	7.5	7.5	12	1	1	LC2D123••	0.697
4	7.5	9	9	10	10	18	1		LC2D183••	0.707
5.5	11	11	11	15	15	25			LC2D253••	0.787
7.5	15	15	15	18.5	18.5	32 (3)	1	1	LC2D323••	0.797
Powe	er con	nectio	n by l	EverL	ink®, B	TR screw	conn	ectors	(4) and control by spring terminals	
11	18.5	22	22	22	30	40	1		LC2D40A3••	1.870
15	22	25	30	30	33	5			LC2D50A3	1.880
18.5	30	37	37	37	3				LC2D65A3	1.890
For o	conne	ction	hy Fa	ston c	onnec	tors				

For connection by Faston connectors

All power connections are to be made by the customer.

These contactors are fitted with Faston connectors: 2 x 6.35 mm on the power poles and 1 x 6.35 mm on the coil terminals.

For reversing contactors LC2D09 and LC2D12 only, in the references selected above, replace the figure 3 before the voltage code with a figure 9.

Example: LC2D093 • becomes LC2D099 • •

Component parts

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28. (1) LC2D09 to D32: clip-on mounting on 35 mm ur rail NSYSDR or screw fixing.

Standard control cir	cuit	volta	ges (1	for oth	er vol	tages,	pleas	e cons	ult yo	ur Reç	gional	Sales	Office)
a.c. supply													
Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
LC2D09D65A													
50/60 Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7
d.c. supply													
Volts	12	24	36	48	60	72	110	125	220	250	440		
LC2D09D32 (coils with integr	al supp	ression	device	fitted as	standa	ard, by b	oi-direct	ional pe	eak limit	ing diod	de)		
U 0.71.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
LC2D40AD65A (coils with in	tegral s	uppress	sion dev	vice fitte	d as sta	andard,	by bi-di	rectiona	al peak	limiting	diode)		
U 0.751.25 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD		
Low consumption													
Volts	5	12	20	24	48	110							
LC2D09D32 (coils with integra	al suppi	ression	device	fitted as	standa	rd, by b	i-directi	onal pe	ak limiti	ing diod	le)		
U 0.81.25 Uc	AL	JL	ZL	BL	EL	FL	ML	UL					

- For other voltages between 5 and 690 V, see pages B8/31 to B8/34.
 (2) The weights indicated are for reversing contactors with a.c. control circuit. For d.c. or low consumption control circuit, add 0.330 kg for LC2D09 to D38, 0.150 kg for LC1D40A to D65A.
- (3) Must be wired with 2 x 4 mm² cables in parallel on the upstream side. On the downstream side, outgoing terminal block LAD331 may be used (Quickfit technology, see page B1/18). When wired with a single cable, the product is limited to 25 A (11 kW/400 V motors).
- (4) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).











LC2D09



LC2D40A•••

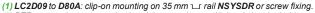
TeSys D Green contactors have a dark grey casing and a 3-character code voltage.

3-pc	ле ге	versi	ng c	Jiitat	, tors		Jupi	0 31	kW / 400 V in category AC-3	
Pre-w	ired po	ower c	onnec	tions						
	ard pov s 50-60) °C)				e	Rated opera- tional current in AC-3 440 V up to	Instantaneo auxilia contac per contac	us ary cts	Contactors supplied with coil Partial reference, to be completed by adding the control voltage code	Weight
220 V 230 V	380 V 400 V	415 V	440 V	500 V	660 V 690 V			<u> </u>	Fixing (1)	
kW	kW	kW	kW	kW	kW	Α				kg
1A/i4h	1									
					thout e ctors ⁽²⁾		nterloc	king,	for connection by screw clamp terminals	5
							nterloc 1	king,	for connection by screw clamp terminals	0.783
or Ev	erlink	BTR s	crew o	connec	ctors (2)	(3)		0.	· ·	
or Ev	erlink 4	BTR s	crew o	5.5	5.5	9	1	1	LC2D09•••	0.783
2.2 3	4 5.5	BTR s 4 5.5	4 5.5	5.5 7.5	5.5 7.5	9	1	1	LC2D12eee	0.783 0.793
2.2 3 4	4 5.5 7.5	BTR s 4 5.5 9	4 5.5 9	5.5 7.5 10	5.5 7.5 10	9 12 18	1	1	LC2D09eee LC2D12eee LC2D18eee	0.783 0.793 0.803
2.2 3 4 5.5	4 5.5 7.5 11	BTR s 4 5.5 9 11	4 5.5 9	5.5 7.5 10 15	5.5 7.5 10	9 12 18 25	1 1	1	LC2D09eee LC2D12eee LC2D18eee	0.783 0.793 0.803 0.913
2.2 3 4 5.5 7.5	4 5.5 7.5 11 15	9 11 15	5.5 9 11 15	5.5 7.5 10 15 18.5	5.5 7.5 10 15 18.5	9 12 18 25 32	1 1	1	LC2D09eee LC2D12eee LC2D18eee LC2D25eee	0.783 0.793 0.803 0.913 0.923
2.2 3 4 5.5 7.5 9	erlink 4 5.5 7.5 11 15 18.5	9 11 15 18.5	5.5 9 11 15 18.5	5.5 7.5 10 15 18.5 18.5	5.5 7.5 10 15 18.5 18.5	9 12 18 25 32 3	1 1 1 1	1	LC2D09eee LC2D12eee LC2D18eee LC2D25eee LC2D32eee	0.783 0.793 0.803 0.913 0.923 0.933
2.2 3 4 5.5 7.5 9	rerlink 4 5.5 7.5 11 15 18.5 18.5	9 11 15 18.5 22	5.5 9 11 15 18.5 22	5.5 7.5 10 15 18.5 18.5 22	5.5 7.5 10 15 18.5 18.5 30	9 12 18 25 32 3 40	1 1 1 1	1 1	LC2D09eee LC2D12eee LC2D18eee LC2D25eee LC2D32eee LC2D38eee LC2D40Aeee (2)	0.783 0.793 0.803 0.913 0.923 0.933 2.154

Auxiliary cont	tact blocks an	id add-on mod	ules

See pages B8/22 to B8/28.

eee pages 20/22	10 20/20.											
Coil voltage	Coil voltage codes											
AC/DC 24 V DC supply												
Volts	/olts 24 (DC only) 24-60 48-130 100-250											
LC2D09D32, LC2D40AD80A												
U 0.851.1 Uc		BNE	EHE	KUE								
LC2D09D38												
U 0.81.2 Uc	BNE											
LC2D40AD80A												
U 0.81.2 Uc	BBE											
(4) / OODOO (- DOO	A !!	05	10 V 0 D D									



 ⁽²⁾ BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).
 (3) Electrical interlocking is recommended when 2 orders (direct and reverse) could appeared in the same time.







TeSys TeSys D Changeover contactors

Product references







LC2D115004 ••





4-pole changeover contactor pairs - 20 to 200 A in category A-1

Pre-assembled. Pre-wired power connections

LC2DT20 to LC2DT40: mechanical interlock without electrical interlocking. LC2D80004: order separately 2 auxiliary contact blocks LADN●1 to obtain electrical interlocking between the 2 contactors (see page B8/22). For electrical interlocking incorporated in the mechanical interlock, please consult

your Regional Sales Office.

LC2D115004: mechanical interlock with integral, pre-wired electrical interlocking.

For connection by so	crew cl	amp termi	nals or connectors		
Utilisation category AC- Non-inductive loads		antaneous a tacts per co		ors supplied	Weight
Maximum rated operational current $(\theta \le 60 ^{\circ}\text{C})$		7	Basic re be comp by addir voltage	ng the	
			Fixing (2)		
Α					kg
20	1	1	LC2DT2	0••	0.730
25	1	1	LC2DT2	500	0.730
32	1	1	LC2DT3	200	0.850
40	1	1	LC2DT4	0••	0.850
125	-	_	LC2D80	004●●	3.200
200	_	_	LC2D11	5004●●	7.400
For connection by lu	gs or b	ars			
20	1	1	LC2DT2	06••	0.730
25	1	1	LC2DT2	56●●	0.730
32	1	1	LC2DT3	26●●	0.850
40	1	1	LC2DT4	06●●	0.850
For customer as					

For customer	ass	embly		
For connection b	y scr	ew clamp terr	ninals or connectors	
60	1	1	LC1DT60A●● (3)	-
80	1	1	LC1DT80A●● (3)	-
For connection b	y lug	s or bars		
60	1	1	LC1DT60A6•• (3)	-
80	1	1	LC1DT80A6●● (3)	-

Auxiliary contact blocks and add-on modules: see pages B8/22 to B8/28.

Note: when assembling changeover contactor pairs, it is good practice to incorporate a 50 ms time delay.
(1) See note (1) on next page.
(2) LC2DT20 to LC2DT80: clip-on mounting on 35 mm \(\text{rail} \) rail NSYSDR or screw fixing.

- LC2D80: clip-on mounting on 35 mm ∟ rail NSYSDR or 75 mm ∟ rail AM1DL or screw
- LC2D115: clip-on mounting on 2 x 35 mm \perp r rails NSYSDR or screw fixing.
- (3) For these operational currents, order 2 identical contactors and a mechanical interlock **LAD4CM** (see page B8/29).



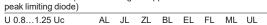
Example of necessary components for customer assembly: 2 x LC1DT80A3. contactors + LAD4CM mechanical interlock

4-pole changeover contactor pairs for 20 to 80 A control in category AC-1

Pre-assembled, for	custo	mer assembly	
Pre-wired power connect	tions, t	for connection by sp	ring terminals.
Utilisation category AC-1 Non-inductive loads		ntaneous auxiliary octs per contactor	Contactors supplied with coil
Maximum rated operational current (θ ≤ 60 °C)		7	Basic reference, to be completed by adding the control voltage code
			Fixing (1)
A			
20	1	1	LC2DT203●●
Power connection by Eve by spring terminals	rLink [®]	, BTR screw connect	tors (2) and control
60	1	1	LC1DT60A3●● (3)
80	1	1	LC1DT80A3●● (3)
Separate componen	its		

Auxiliary contact blocks and add-on modules: see pages B8/19 to B8/19.													
Standard control circuit voltages (for other voltages, please consult your Regional Sales Office)													
a.c. supply													
24	42	48	110	115	220	230	240	380	400	415	440	500	
_C2DT20DT40, LC2DT60ADT80A													
B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	-	
_C2D80004D115004													
B5	D5	E5	F5	FE5	M5	P5	U5	Q5	V5	N5	R5	S5	
В6	_	E6	F6	_	M6	_	U6	Q6	_	_	R6	-	
12	24	36	48	60	72	110	125	220	250	440			
LC2DT20DT40, LC1DT60DT80 (coils with integral suppression device fitted as standard, by bi-directional peak limiting diode)													
JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD			
Low consumption													
	24 DT60 B7 B5 B6 DT60 DT60 JD	24 42 DT60AD B7 D7 B5 D5 B6 - 12 24 DT60DT6 miting diode JD BD	rol circuit v , please cons 24	rol circuit volta , please consult you 24	rol circuit voltages , please consult your R 24	rol circuit voltages please consult your Region 24	Column C	rol circuit voltages , please consult your Regional Sales 24	Column C	Column C	Column C	Proceedings	





LC2DT20...DT40 (coils with integral suppression device fitted as standard, by bi-directional

Life Is On

For other voltages between 5 and 690 V, see pages B8/19 to B8/19.

(1) Clip-on mounting on 35 mm \(\subseteq \) rail NSYSDR or screw fixing.

(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/19).

(3) For these operational currents, order 2 identical contactors and a mechanical interlock LAD4CM (see page B8/19).

TeSys D Contactors for switching capacitors banks

Product references



LC1DFK••



LC1DGK.., LC1DLK.., LC1DMK..



Contactors

LC1DPK.o., LC1DTK.o.



LC1DWK12

Dimensions, schemes: page B8/85

Contactors for switching 3-phase capacitor banks (power factor correction)

Special contactors LC1D•K are designed for switching 3-phase, single or multiple-step capacitor banks (up to 6 steps). Over 6 steps, it is recommanded to use chokes in order to limit the inrush current and thus improve the lifetime of the installation. The contactors are conform to standards IEC 60070 and 60831, UL and CSA.

Contactor applications

Specification

Contactors fitted with a block of early make poles and damping resistors, limiting the value of the current on closing to 60 ln max.

This current limitation increases the life of all the components of the installation, in particular that of the fuses and capacitors.

Operating conditions

Short-circuit protection must be provided by gI type fuses rated at 1.7...2 In. It will ensure the service continuity of the whole installation in case of a capacitor contactor end of life

Maximum operational power

The power values given in the selection table below are for the following operating conditions:

Prospective peak current at switch-on	LC1D∙K		200 ln
Maximum operating rate	LC1DFK, DGK, DLK, DMK		240 operating cycles/hour
	LC1DPK, DTK, DWK		100 operating cycles/hour
Electrical durability at	All contactor ratings	400 V	300 000 operating cycles
nominal load		690 V	200 000 operating cycles

	otional p 60 Hz (1) °C (2)	ower		Instar auxili conta	•	Tightening torque on cable end	Basic reference, to be completed by adding the voltage code (3)	Weight
230 V	400 V 415 V	440 V	690 V	_ \				
kVAR	kVAR	kVAR	kVAR	N/O	N/C	N.m		kg
7	12.5	12.5	21	1	2		LC1DFK●●	0.430
9.5	16.7	16.7	28.5	1	2	2.5	LC1DGK●●	0.450
11	20	21	33	1	2	2.	LC1DLK••	0.600
14	25	27	42	1	2	2.5	LC1DMK●●	0.630
17	30	32	50	1	2	5	LC1DPK●●	1.300
22	40	43	67	1	2		LC1DTK●●	1.300
35	63	67	104	1	2	9	LC1DWK12●●	1.650

Switching of multiple-step capacitor banks (with equal or different power ratings)

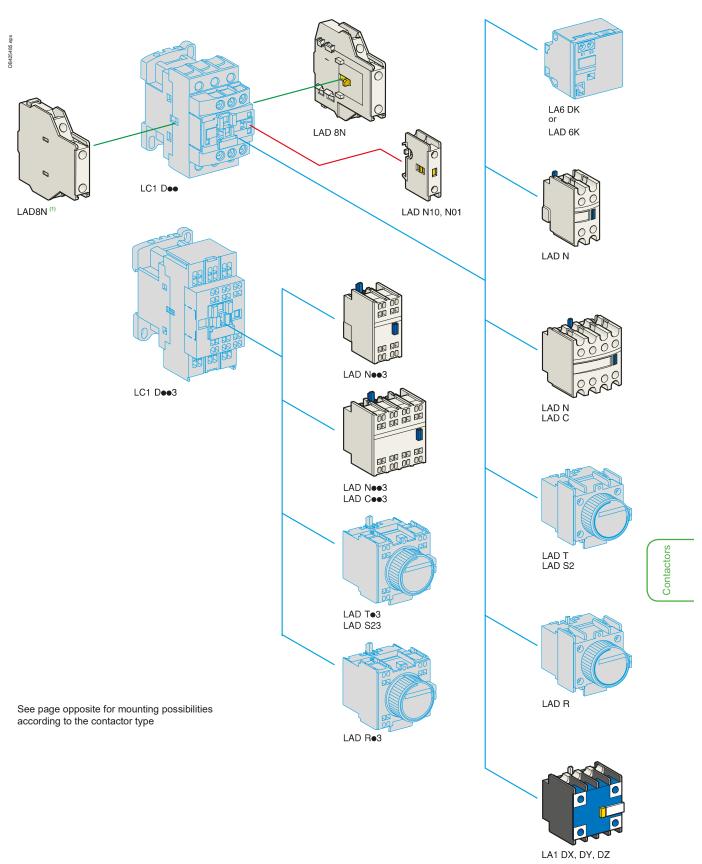
The correct contactor for each step is selected from the above table, according to the power rating of the step to be switched.

Example: 50 kVAR 3-step capacitor bank. Temperature: 50 °C and U = 400 V or 440 V. One 25 kVAR step: contactor LC1DMK, one 15 kVAR step: contactor LC1DGK, and one 10 kVAR step: contactor LC1DFK.

- (1) Operational power of the contactor according to the scheme on the page opposite.
- (2) The average temperature over a 24-hour period, in accordance with standards IEC 60070 and 60831 is 45 °C.
- (3) Standard control circuit voltages (the delivery time is variable, please consult your Regional Sales Office):

Volts	24	48	110	120	220	230	240	380	400	415	440
50/60 Hz	B7	E7	F7	G7	M7	P7	U7	Q7	V7	N7	R7





TeSys D contactors - Auxilliary contact blocks

Product references



LADN11



LAD8N11







LA1DX••, LA1DZ••

Instantaneous auxiliary contact blocks for connection by screw clamp terminals

For use in normal operation	ng environments							
Clip-on mounting	Number of contacts per block		mpo	sitio	<u> </u>	<u>_</u>	Reference	
Front	1	_			1		LADN10	
		-				1	LADN01	
	2				_1_	_1	LADN11	
					2	_	LADN20	
		_				2	LADN02	
	4	_			2	2	LADN22	LADN22S (4)
	-	_			1	3	LADN13	
		_			4		LADN40	
		_				4	LADN04	
		-	_	_	3	1	LADN31	
	4 incl. 1 N/O & 1 N/C make before break	_			2	2	LADC22	
Side	2	_			_1_	1	LAD8N11	
(contact blocks compatible with			_	-	2	_	LAD8N20	
AC coil contactors only)		_	_	-	_	2	LAD8N02	
For terminal referencing	conforming to EN 50012							
Front on 3P contactors and	2	_	_	_	1	1	LADN11G	
4P contactors 20 to 80 A	4	_	_	_	2	2	LADN22G	
Front on 4P contactors	2	_	_	_	1	1	LADN11P	
125 to 200 A	4	-	_	_	2	2	LADN22P	
With dust and damp prot	ected contacts, for use in particu	larly	y ha	rsh	ind	ustrial	environment	s
Front	2	_	2	_	_	-	LA1DX20	
		1	1	_	_	_	LA1DX11	
		2	_	_	_	_	LA1DX02	
		_	2	2	_	_	LA1DY20 (2)	
	4	-	2	_	2	_	LA1DZ40	
		_	2	_	1	1	LA1DZ31	

Instantaneous auxiliary contact blocks for connection by lugs

This type of connection is not possible for blocks with 1 contact or blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add the figure 6 to the end of the references selected above. Example: LADN11 becomes LADN116.

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 figure 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 figure 9 to the end of the references selected above. Example: LADN11 becomes LADN119.

Maximum number of auxiliary contacts that can be fitted:

Contac	tors		Instantaneous auxiliary contacts				Time delay	
Type	Nun	ber of poles and size	Side mounted		Front mounted			Front
					1 contact	2 contacts	4 contacts	mounted
AC	3P	LC1D09D38	1 on LH or 1 on RH side(1	and)	_	1	or 1	or 1
AC/DC		LC1D40AD80A	1 on LH or 1 on RH side	and	_	1	or 1	or 1
		LC1D80 and D95 (50/60 Hz)	1 on each side	or	2	and 1	or 1	or 1
		LC1D80 and D95 (50 or 60 Hz)	1 on each side	and	2	and 1	or 1	or 1
		LC1D115 and D150	1 on LH side	and	_	1	or 1	or 1
	4P	LC1DT20DT40	1 on LH side	and	_	1	or 1	or 1
		LC1DT60A and DT80A	1 on LH or 1 on RH side	and	_	1	or 1	or 1
		LC1D40008, D65008 and D80	1 on each side	or	1	or 1	or 1	or 1
		LC1D115	1 on each side	and	1	or 1	or 1	or 1
DC	3P	LC1D09D38	_		_	1	or 1	or 1
		LC1D40AD80A	_		_	1	or 1	or 1
		LC1D80 and D95	_		1	or 1	or 1	or 1
		LC1D115 and D150	1 on LH side	and	_	1	or 1	or 1
	4P	LC1DT20DT40	_		_	1	or 1	or 1
		LC1DT60A and DT80A	_		_	1	or 1	or 1
		LC1D40008, D65008 and D80	_		2	and 1	or 1	or 1
		LC1D115	1 on each side		_	and 1	or 1	or 1
LC (3) (5)	3P	LC1D09D38	-		-	1	_	_
	4P	LC1DT20DT40	_		_	1	_	_

- (1) 1 on LH side for AC coils 1 on RH side for AC/DC coils. (4) With red front face for safety chain indication.
- (2) Device fitted with 4 earth screen continuity terminals. (5) LA1D••• dust & damp proof auxiliary contact blocks not allowed. (3) LC: low consumption.

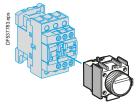
Characteristics: pages B8/66 and B8/67 Curves: Dimensions: page B8/68 pages B8/72 and B8/73

Contactors

TeSys D contactors - Time delay auxilliary contact blocks

Product references





LADT•

Time delay auxiliary contact blocks for connection by screw clamp terminals

Maximum number of auxiliary contact blocks that can be fitted per contactor, see page B8/22.

Sealing cover to be ordered separately, see page B8/28.

LADT0 and LADR0: with extended scale from 0.1 to 0.6 s.

LADS2: with switching time of 40 ms \pm 15 ms between opening of the N/C contact and closing of the N/O contact.

Clip-on mounting	Number	Time dela	ıy	Reference	
	of contacts	Type	Setting range		
Front	1 N/O + 1 N/C	On-delay	03 s	LADT0	
		Off-delay	130 s	LADT2	
			10180 s	LADT4	
			130 s	LADS2	
			03 s	LADR0	
			130 s	LADR2	
			10180 s	LADR4	



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

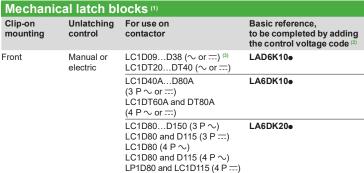
Time delay auxiliary contact blocks for connection by spring terminals

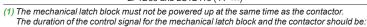
Add the figure 3 to the end of the references selected above. Example: LADT0 becomes LADT03.

Time delay auxiliary contact blocks for connection by Faston connectors

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







> 100 ms for a contactor operating on an a.c. supply,

> 250 ms for a contactor operating on a d.c. supply.

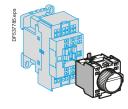
Maximum impulse duration for the LAD6K10• mechanical latch block: 10 seconds.

(2) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

Volts 50/60 Hz,	24	32/36	42/48	60/72	100	110/127	220/240	256/277	380/415
Code	В	С	E	EN	K	F	М	U	Q

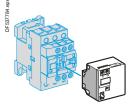
(3) The DC, low consumption contactors (coil code •L) are not compatible with the mechanical latch blocks LAD6K10•.











LAD6K10•

TeSys D contactors - Suppressor modules

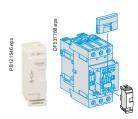
Product references



RC circuits (Resistor-Capacitor)

Effective protection for circuits highly sensitive to "high frequency" interference. For use only in cases where the voltage is virtually sinusoidal. i.e. less than 5 % total harmonic distortion. Voltage limited to 3 Uc max. and oscillating frequency limited to 400 Hz max. Slight increase in drop-out time (1.2 to 2 times the normal time).

Mounting	For use with contactor (1)	Reference	
	Rating	Туре	
		v ~ v	_
Clip-on side mounting (3) (5)	D09D38 (3P)	2448 –	LAD4RCE
	DT20DT40	50127 –	LAD4RCG
		110250 –	LAD4RCU
Clip-on front mounting (3) (5)	D40AD65A (3P) DT60ADT80A (4P)	2448 –	LAD4RC3E
		50127 –	LAD4RC3G
		110240 –	LAD4RC3U
		380415 -	LAD4RC3N
Screw fixing (4)	D80D150 (3P)	2448 –	LA4DA2E
	D40D115 (4P)	50127 –	LA4DA2G
		110240 –	LA4DA2U
		380415 –	LA4DA2N



LAD4RC3•, LAD4V3•, LAD4D3U, LAD4T3•

Varistors (peak limiting)

Protection provided by limiting the transient voltage to 2 Uc max. Maximum reduction of transient voltage

	drop-out time (1.1 to 1.5 times th			
Clip-on side mounting (3) (5)	D09D38 (3P)	2448	_	LAD4VE
	DT20DT40	50127	_	LAD4VG
		110250	_	LAD4VU
Clip-on front mounting (3) (5)	D40AD65A (3P)	2448	2448	LAD4V3E
	DT60ADT80A (4P)	50127	50127	LAD4V3G
		110250	110250	LAD4V3U
Screw fixing (4)	D80D115 (3P) D80D115 (4P)	2448	_	LA4DE2E
		50127	_	LA4DE2G
		110250	_	LA4DE2U
	D80D95 (3P)	_	2448	LA4DE3E
	D80 (4P)	_	50127	LA4DE3G
			110250	LA4DE3U



Contactors

Flywheel diodes

No overvoltage or oscillating frequency. Increase in drop-out time (6 to 10 times the normal time).

i dianisca component.					
Clip-on side mounting (5)	D09D38 (3P), DT20DT40	_	5600	LAD4DDL	
Clip-on front mounting (5)	D40AD65A (3P), DT60ADT80A (4P)	_	24250	LAD4D3U	
Screw fixing (4)	D80 and D95 (3P), D40D80 (4P)	_	24250	LA4DC3U	



LA4D••

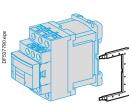
Bidirectional peak limiting diodes

Protection provided by limiting the transient voltage to 2 Uc max.

Maximum reduction of transient voltage peaks.

Clip-on side mounting (*)	DT20DT40 (4P) (2)	24	-	LAD41B
		_	24	LAD4TBDL
		72	_	LAD4TS
		_	72	LAD4TSDL
		_	125	LAD4TGDL
		_	250	LAD4TUDL
		_	600	LAD4TXDL
Clip-on front mounting (3)	D40AD65A (3P) DT60ADT80A (4P) (2)	1224	1224	LAD4T3B
		2572	2572	LAD4T3S
		73125	73125	LAD4T3G
		126250	126250	LAD4T3U
		251440	251440	LAD4T3R
Screw fixing (4)	D80D95 (3P)	1224	_	LA4DB2B
	D40D80 (4P)	2572	_	LA4DB2S
		_	24	LA4DB3B
			72	LAADB3S

I ADATE



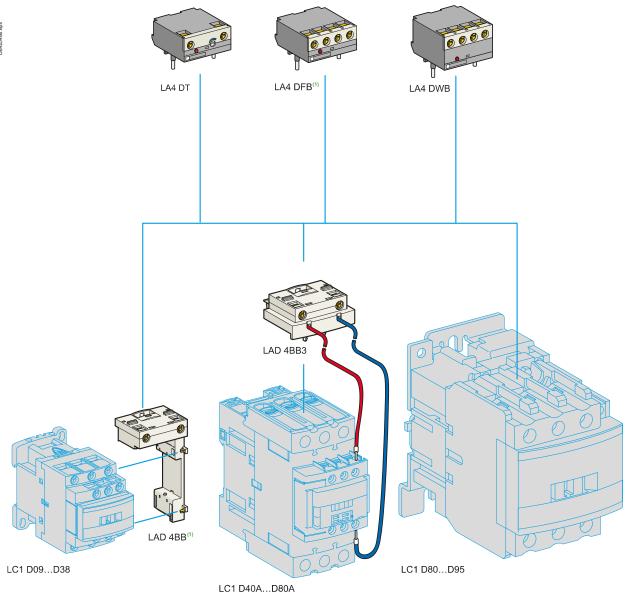
LAD4DDL or LAD4T●DL



LAD4DDL

- (1) For satisfactory protection, a suppressor module must be fitted across the coil of each contactor except for TeSys D Green (●E coil), as surge protection is already embedded.
- (2) From D09 to D65A and from LC1DT20 to DT80A, d.c., low consumption are fitted with a built-in bidirectional peak limiting diode suppressor as standard. This bidirectional peak limiting diode is removable and can therefore be replaced by the user. (See reference above). If a d.c. or low consumption contactor is used without suppression, the standard suppressor should be replaced with a blanking plug (reference LAD9DL for LC1D09 to D38 and LC1DT20 to DT40; reference LAD9DL3 for LC1D40A to D65A and LC1DT60A to DT80A).
- (3) Clipping-on makes the electrical connection. The overall size of the contactor remains unchanged
- (4) Mounting at the top of the contactor on coil terminals A1 and A2.
- (5) In order to install these accessories, the existing suppression device must first be removed.

Characteristics:



See page opposite for mounting possibilities according to the contactor type.

Product references





LA4DFB

LA4DT••









LA4DBL



LAD4BBVU

Electronic serial timer modules (1)

- 3-pole contactors LC1D09 to D38: mounted using adapter LAD4BB, to be ordered separately, see below.
- 3-pole contactors LC1D40A to D65A: mounted using adapter LAD4BB3, to be ordered separately, see below.
- 3-pole contactors LC1D80 to D150 and 4-pole contactors LC1D40 to D115: mounted directly across terminals A1 and A2 of the contactor.

On-delay type			
Operational voltage \sim		Time delay	Reference
24250 V	100250 V		
LC1D09D80A (3P)	LC1D80D150 (3P)	0.12 s	LA4DT0U
		1.530 s	LA4DT2U
		25500 s	LA4DT4U

Interface modules

- 3-pole contactors LC1D09 to D38: mounted using adapter LAD4BB, to be ordered separately, see below.
- 3-pole contactors LC1D40A to D80A: mounted using adapter LAD4BB3, to be ordered separately, see below.

	3 /			
Relay interface				
Operational voltage	\sim	Supply voltage E1-E2 ()	Reference	
24250 V	24250 V			
LC1D09D150 (3P)		24 V	LA4DFB	
Static relay interfa	ace			
Operational voltage	\sim	Supply	Reference	
24250 V	100250 V	voltage E1-E2 (===)		
LC1D09D80A (3P)	LC1D80D115 (3P)	24 V	LA4DWB	
Adapter kit fo	r low control sig	nal		
Foruseon	Composition		Deference	

Adapter kit for low control signal						
For use on contactors	Composition	Reference				
LC1D40AD80A (3P) (2)	 1 LAD4BB3 coil wiring adapter 1 LA4DFB relay interface module 	LA4DBL				

Wiring adapt	Wiring adapters for coil retrofit of 3 pole contactors							
For adapting existing wiring to a new product								
For use on contactors			Reference					
LC1D09D38	Without coil suppression	LAD4BB (3)						
	With coil suppression	~ 2448 V	LAD4BBVE					
		\sim 50127 V	LAD4BBVG					
		∼ 110250 V	LAD4BBVU					
LC1D40A80A	Without coil suppression	า	LAD4BB3					

- (1) For 24 V operation, the contactor must be fitted with a 21 V coil (code Z). See pages B8/31 to B8/34.
- (2) The kit is compatible with a coil voltage of ~ 24 V to ~ 250 V (B7 to U7) and = 24 V to = 250 V (BD to UD).
 (3) LAD4BB can not be used with 4 poles contactors.

TeSys TeSys D contactors - Accessories

Product references



LA9D3260





LAD96570



LA9D11560•



LA9D11570•



LA9D80962



LA9D11567

Description		For use with conf	tactors LC1	Sold in	Unit
		~	==		reference
Connectors for cable, size (1 connector)	4-pole 10 mm ²	DT20, DT25	DT20, DT25	1	LAD92560
	3-pole 25 mm ²	D09D38	D09D38	1	LA9D3260
EverLink [®] erminal block	3-pole	D40AD80A	D40AD80A	1	LAD96560
Connectors for cables	3-pole 120 mm ²	D115, D150	D115, D150	1	LA9D115603
(2 connectors)	4-pole 120 mm ²	D115	D115	1	LA9D115604
Connectors for	3-pole	D1156, D1506	D1156, D1506	1	LA9D115503
lug type terminals (2 connectors)	4-pole	D1156	D1156	1	LA9D115504
Protective covers for connectors for ug type terminals	3-pole	D40A6D80A6	D40A6D80A6	1	LAD96570
		D1156, D1506	D1156, D1506	1	LA9D115703 (1
	4-pole	D60A6D80A6	D60A6D80A6	1	LAD96580
		D1156, D1506	D1156, D1506	1	LA9D115704
P 20 covers for lug type erminals (for mounting with circuit breakers GV3 P••6 and GV3 L••6)	3 poles	D40A6D80A6	D40A6D80A6	1	LAD96575
Links for	2 poles	D09D38	D09D38	10	LA9D2561
arallel connection of		DT20, DT25 (4P)	DT20, DT25 (4P)	10	LA9D1261
		DT32, DT40 (4P)	DT32, DT40 (4P)	10	LAD96061
		D40AD80A	D40AD80A	1	LAD9P32
		D80, D95	D80, D95	2	LA9D80961
	3 poles	D09D38	D09D38	10	LAD9P3 (2)
		D40AD80A	D40AD80A	1	LAD9P33
		D80, D95	D80, D95	1	LA9D80962
	4 poles	DT20, DT25	DT20, DT25	2	LA9D1263
		D80	D80	2	LA9D80963
Staggered coil connection		_	D80	10	LA9D09966
Control circuit take-off		D80, D95	D80, D95	10	LA9D8067
from main pole		D115, D150	D115, D150	10	LA9D11567

- (1) For 3-pole contactors: 1 set of 6 covers, for 4-pole contactors: 1 set of 8 covers.
- (2) Separate connecting bar for connecting 2 poles in parallel.



Control Panel Technical Guide:

for increasing the pole pitch to 45 mm

Mounting and wiring accessories for TeSys D, K, F - Star Delta, reverser, low-high speed control motor starters and changeover applications - Product references and details on all kits and wiring accessories.





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TeSys D contactors - Accessories

Product references

Description	For contactor		Reference
Sets of contacts	3-pole	LC1D115	LA5D1158031
		LC1D150	LA5D150803
	4-pole	LC1D115004	LA5D115804
Arc chambers	3-pole	LC1D115	LA5D11550
		LC1D150	LA5D15050
	4-pole	LC1D115004	LA5D115450





V1G09	GV3S
v / C00	0,00

Power connection accessories					
Terminal block	For supply to one or more GV2G busbar sets	GV1G09			
Set of 63 A busbars for parallelling of contactors	2 contactors LC1D09D18 or D25D38	GV2G245			
	4 contactors LC1D09D18 or D25D38	GV2G445			
Set of 115 A busbars	2 contactors LC1D40AD80A	GV3G264			
for parallelling of contactors	3 contactors LC1D40AD80A	GV3G364 (1)			
Set of S-shape busbars	For circuit breakers GV3P•• and GV3L•• (3)	GV3S			

and contactors LC1D40A...D73A



LA9D941



LAD9ET1



LAD9ET1S



Contactors

LAD90

Protection access	ories		
Description	Use	Sold in lots of	Reference
Miniature control circuit fuse holder	5 x 20 with 4 A-250 V fuse	1	LA9D941
Sealing cover	For LADT, LADR	1	LA9D901
Safety cover preventing access to the moving contact carrier	LC1D09D80A and DT20DT80A	1	LAD9ET1
	Red cover (for safety chain indication)	1	LAD9ET1S
	LC1D80 and D95	1	LAD9ET3
	Red cover (for safety chain indication)	1	LAD9ET3S
	LC1D115 and D150	1	LAD9ET4
	Red cover (for safety chain indication)	1	LAD9ET4S

Marking accessorie	es		
Description	Use	Sold in lots of	Unit reference
Sheet of 64 blank legends, self-adhesive, 8 x 33 mm (2)	Contactors (except 4P) LC1D80D115, LADN (4 contacts), LA6DK	10	LAD21
Sheet of 112 blank legends, self-adhesive, 8 x 12 mm (2)	LADN (2 contacts), LADT, LADR, LRD	10	LAD22
Sheet of 64 blank legends for marking using plotter or 8 x 33 mm engraver	Contactors (except 4P) LC1D80D115, LAD (4 contacts), LA6DK	10	LAD23
Sheet of 440 blank legends for marking using plotter or 8 x 12 mm engraver	All products	35	LAD24
Marker holder snap-in, 8 x 22 mm	4-pole contactors, LC1D80D115, LA6DK	100	LA9D92
Marker holder snap-in, 8 x 18 mm	LC1D09D65A, LC1DT20DT80A, LADN (4 contacts), LADT, LADR	100	LAD90
Bag of 300 blank legends self-adhesive, 7 x 21 mm	On holder LA9D92	1	LA9D93

Mounting accessories							
Retrofit plate for screw fixing	For replacement of LC1D40 to D80 with LC1D40A to D80A	1	LAD7X3				
Mounting plate	For replacement of LC1F115 or F150 with LC1D115 or D150	1	LA9D730				
Size 4 Allen key, insulated, 1000 V	For use on contactors LC1D40A to LC1D150	5	LADALLEN4				

⁽¹⁾ With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block.

The other two contactors are supplied by the busbar set. The 115 A limitation is therefore applied to these two contactors.

Example: 1 LC1D65A supplied directly + 1 contactor LC1D65A and 1 contactor LC1D50A supplied via the busbar set = 115 A. This combination is compatible with busbar set GV3G364.

(2) These legends are for sticking onto the safety cover of the contactors or add-on block, if fitted.



⁽³⁾ With 73 A current limit for GV3L73, GV3P73.











Contactors with screw clamp terminals or connectors. Horizontally mounted, assembled by customer.

LC1D09 to D38

LC1D09 to D38

LC1D40A to D80A

Description For contactors (Reference (2 identical contactors)

Kits for assembly of reversing contactors

Kit comprising: ■ a mechanical interlock LAD9V2

with electrical interlocking LAD9V1
■ a set of power connections LAD9V5 (parallel)

and LAD9V6 (reversing).

Kit comprising: ■ a mechanical interlock LAD9V2

without electrical interlocking
■ a set of power connections LAD9V5 (parallel)

and LAD9V6 (reversing).

Kit comprising: ■ a mechanical interlock LAD4CM

a set of power connections LA9D65A69.

Mechanical interlocks

LC1D80 and D95 (∼) Mechanical interlock with integral electrical interlocking LC1D80 and D95 (==) LA9D8002 LC1D115 and D150 LA9D11502 Mechanical interlock without LC1D09 to D38 LAD9V2 integral electrical interlocking LC1D40A to D80A LAD4CM LC1D80 and D95 (∼) LA9D50978 LC1D80 and D95 (===) I A9D80978

Sets of power connections

Comprising:

Description

Mounting kit comprising:

mounting plate (LC1D80)

Equipment mounting plates

a set of parallel bars a set of reverser bars. LC1D09 to D38 with screw LAD9V5 + LAD9V6 clamp terminals or connectors LAD9V12 + LAD9V13 (2) LC1D09...D32 with spring terminal connections LA9D65A69 LC1D40A to D80A LC1D80 and D95 (∼) LA9D8069 LA9D8069 LC1D80 and D95 (===)

Reference

LAD91217

LAD93217

LAD9SD3

LA9D8017

LA9D12974

LA9D80973

LAD9R1V

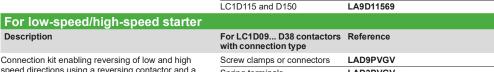
LAD9R1

LAD9R3

LA9D4002







For contactors

LC1D09 to D38 (3)

LC1D09 to D38 (4)

LC1D40A to D65A

LC1D09 to D38

LC1D40A and D50A LC1D80



Spring terminals LAD3PVGV

LC1D80









LAD91218

(1) To order the 2 contactors: see pages B8/9 and B8/15.

1 time delay contact block LADS2 (LC1D09...D80),

power circuit connections (LC1D09...D80),
 hardware required for fixing the contactors onto the

(2) To assemble a reversing contactor with spring terminal connections, the following components must be ordered:

- 1 mechanical interlock LAD9V2.

- 1 upstream power connection kit and 1 downstream power connection kit.

Upstream power connection kit LAD9V10: installed in the Quickfit system with power connection module LAD34.

(If module LAD34 is not used, replace LAD9V10 with LAD9V12).

Downstream power connection kit LAD9V11: installed in the Quickfit system with outgoing terminal block LAD331. (If LAD331 is not used, replace LAD9V11 with LAD9V13).

(3) For assembly of 3 contactors of the same physical size (depth).

(4) For assembly of 3 contactors with star contactor physically smaller (depth).



Control Panel Technical Guide:

Mounting and wiring accessories for TeSys D, K, F - Star Delta, reverser, low-high speed control motor starters and changeover applications - Product references and details on all kits and wiring accessories.

> Ref. Document: CPTG011_EN





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Dimensions:

Schemes

pages B8/81 and B8/82 pages B8/83 and B8/84

Life Is (¹)n

Without timer LADS2

LAD91218

LAD93218

Product references

For 4-pole changeover contactor pairs (3-phase distribution + neutral)

Contactors with screw clamp terminals or connectors. Horizontally mounted, assembled by customer.

Description

For contactors (1) (2 identical contactors)

Reference

Kits for assembly of changeover contactor pairs

a set of power connections (changeover) LAD9V7.

Kit comprising:
■ a mechanical interlock LAD9V2

with electrical interlocking LAD9V1,

LC1DT20 to DT40 with screw clamps or connectors LADT9R1V



Kit comprising: ■ a mechanical interlock LAD9V2 without electrical interlocking, a set of power connections (changeover) LAD9V7.

LC1DT20 to DT40 with screw clamps or connectors

LADT9R1

LA9D11502

LAD9V2 (2)

LAD9V2 (2)

LA9D8070 (2)

Mechanical interlocks

With integral electrical interlocking

Without integral electrical interlocking LC1D80004 LA9D4002 LP1D80004 LA9D8002

LC1DT20 to DT40 with screw clamps or connectors

LC1DT203 to DT403

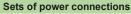
LC1D115004

LP1D80004

LC1D115 and D150

with spring terminals LC1DT60A and DT80A LAD4CM LA9D50978

LC1D80004 LP1D80004 LA9D80978



Comprising a set of parallel bars

LC1D80004 LA9D8070 LP1D80004 LA9D8070 LC1D115004 LA9D11570 LC1DT203 to DT403 LAD9V9 with spring terminals LC1D80004 LA9D8070 (2)



LA9D8070

LA9D50978



Contactors with screw clamp terminals or connectors. Horizontally mounted, assembled by customer.

Description	For contactors (1) (2 identical contactors)	Reference
Kits for assembly of changeover contactor pairs		
Kit comprising: ■ a mechanical interlock LAD4CM ■ a set of parallel bars LA9D65A6	LC1D40AD80A	LAD9R3S
Mechanical interlocks		
Without integral electrical interlocking	LC1D40AD80A	LAD4CM
With integral electrical interlocking	LC1D115 and D150	LA9D11502
Sets of power connections		
Comprising a set of parallel bars	LC1D40AD80A	LA9D65A6



(2) Order 2 contact blocks LADNe 1 to build the electrical interlock, see page B8/22.



Control Panel Technical Guide:

Mounting and wiring accessories for TeSys D, K, F - Star Delta, reverser, low-high speed control motor starters and changeover applications - Product references and details on all kits and wiring accessories.

> Ref. Document: CPTG011_EN





LA9D11571

> Click on QR code to download

B8/30

⁽¹⁾ To order the 2 contactors: see pages B8/9 and B8/15.

LXD1.



Specifications

Average consumption at 20 °C:

- inrush (cos ϕ = 0.75) 70 VA,
- sealed (cos φ = 0.3) 50 Hz: 7 VA, 60 Hz: 7.5 VA.

 Operating range (θ ≤ 60 °C): 50 Hz: 0.8...1.1 Uc. 60 Hz: 0.85...1.1 Uc.

Operating range (6 Control circuit voltage	0 ≤ 60 °C): 50 Hz: 0. Average resistance at 20 °C ±10 %		0.851.1 Uc. Reference (1)
Uc			
V	Ω	Н	50/60 Hz
12	1.33	0.05	LXD1J7
21 (2)	4.17	0.17	LXD1Z7
24	5.37	0.22	LXD1B7
32	10.1	0.39	LXD1C7
36	12.8	0.49	LXD1CC7
42	17	0.67	LXD1D7
48	21.7	0.87	LXD1E7
60	34.6	1.4	LXD1EE7
100	100.4	3.8	LXD1K7
110	124.1	4.6	LXD1F7
115	129.8	5	LXD1FE7
120	150.6	5.4	LXD1G7 (3)
127	158.5	6.1	LXD1FC7
200	410.7	15	LXD1L7
208	430.4	16	LXD1LE7 (3)
220	515.4	18	LXD1M7 (4)
230	538.6	20	LXD1P7
240	562.3	22	LXD1U7
277	800.7	29	LXD1W7 (3)
380	1551	55	LXD1Q7 (5)
400	1633	60	LXD1V7
415	1694	65	LXD1N7
440	1993	73	LXD1R7
480	2398	87	LXD1T7 (3)
500	2499	95	LXD1S7
575	3294	125	LXD1SC7
600	3810	136	LXD1X7
660	4656	165	LXD1YC7
690	5020	180	LXD1Y7

- The last 2 digits in the reference represent the voltage code.
 Voltage for special coils fitted in contactors with serial timer modules, with 24 V supply.
 Coil for use only on 60 Hz.
 Suitable for use on 230 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/60 and B8/62).
 Suitable for use on 400 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/60 and B8/62).





LXD3.

a.c coils for \sim contactors LC1D40A...D80A, LC1DT60A and LC1DT80A

Specifications

Average consumption at 20 °C:

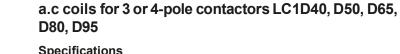
- inrush (cos ϕ = 0.75) 160 VA,
- sealed (cos φ = 0.3) 50 Hz: 15 VA, 60 Hz: 15 VA.

Operating range ($\theta \le 60$ °C): 50 Hz: 0.8...1.1 Uc, 60 Hz: 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ±10%	Inductance of closed circuit	Reference (1)
V	Ω	Н	
			50/60 Hz
12	0.49	0.03	LXD3J5 (2)
24	1.98	0.12	LXD3B7
32	3.76	0.22	LXD3C7
42	6.18	0.37	LXD3D7
48	7.97	0.48	LXD3E7
100	37.63	2.	LXD3K7
110	42.28	2.50	LXD3F7
115	48.76	2.74	LXD3FE7
120	37.63	2.07	LXD3G7 (5)
127	60.29	3.34	LXD3FC7
200	149	8.27	LXD3L7
208	105	6.22	LXD3LE7 (5)
220	182	10	LXD3M7 (3)
230	192	10.9	LXD3P7
240	202	11.9	LXD3U7
277	193	11	LXD3W7 (5)
380	512	29.9	LXD3Q7 (4)
400	607	33.1	LXD3V7
415	635	35.6	LXD3N7
440	682	40.1	LXD3R7
480	607	33.1	LXD3T7 (5)
500	878	51.7	LXD3S7
575	1238	68.4	LXD3SC7
600	1304	74.5	LXD3X7
660	1593	90.1	LXD3YC7
690	1683	98.5	LXD3Y7

- (1) The last 2 digits in the reference represent the voltage code.
- (2) This coil can only be used on 50 Hz.
- (3) Suitable for use on 230 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/60 and B8/62).
- (4) Suitable for use on 400 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/60 and B8/62).
- (5) This coil can only be used on 60 Hz.

LX1D6



Specifications

Average consumption at 20 °C:

- inrush (cos ϕ = 0.75) 50 Hz: 200 VA, 60 Hz: 220 VA
- sealed (cos \$\phi\$ = 0.3) 50 Hz: 20 VA, 60 Hz: 22 VA.

Operating range ($\theta \le 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20°C ±10 %	Inductance	Reference		Inductance of closed circuit	Reference
V	Ω	Н		Ω	Н	
			50 Hz			60 Hz
24	1.4	0.09	LX1D6B5	1.05	0.06	LX1D6B6
32	2.6	0.16	LX1D6C5	_	_	
42	4.4	0.27	LX1D6D5	_		
48	5.5	0.35	LX1D6E5	4.2	0.23	LX1D6E6
110	31	1.9	LX1D6F5	22	1.2	LX1D6F6
115	31	1.9	LX1D6FE5	_	_	_
120	-	-	-	28	1.5	LX1D6G6
127	41	2.4	LX1D6G5	_	_	_
208	_	_	_	86	4.3	LX1D6L6
220	_	_	-	98	4.8	LX1D6M6
220/230	127	7.5	LX1D6M5	_	_	_
230	133	8.1	LX1D6P5	_	_	_
240	152	8.7	LX1D6U5	120	5.7	LX1D6U6
256	166	10	LX1D6W5	_	_	_
277	_	_	-	157	8	LX1D6W6
380	_	_	_	300	14	LX1D6Q6
380/400	381	22	LX1D6Q5	-	-	-
400	411	25	LX1D6V5	_	-	-
415	463	26	LX1D6N5	_	-	_
440	513	30	LX1D6R5	392	19	LX1D6R6
480	_	_	-	480	23	LX1D6T6
500	668	38	LX1D6S5	_	_	-
575		_	-	675	33	LX1D6S6
600	_	_	_	775	36	LX1D6X6
660	1220	67	LX1D6Y5	_	_	-

Specifications

Average consumption at 20 °C:

- inrush (cos φ = 0.75) 50/60 Hz: 245 VA at 50 Hz
- sealed (cos φ= 0.3) 50/60 Hz: 26 VA at 50 Hz.

Operating range ($\theta \le 55$ °C): 0.85...1.1 Uc.

						50/60 Hz
24	-	_	_	1.22	0.08	LX1D6B7
42	_	_	-	3.5	0.25	LX1D6D7
48	_	_	-	5	0.32	LX1D6E7
110	_	_	_	26	1.7	LX1D6F7
115	_	_	-	_	-	LX1D6FE7
120	_	_	_	32	2	LX1D6G7
220/230 (2)	_	_	_	102	6.7	LX1D6M7
230	-	_	_	115	7.7	LX1D6P7
230/240 (3)	_	_	_	131	8.3	LX1D6U7
380/400 (4)	_	_	_	310	20	LX1D6Q7
400	_	_	_	349	23	LX1D6V7
415	_	_	_	390	24	LX1D6N7
440	_	_	_	410	27	LX1D6R7

- (1) The last 2 digits in the reference represent the voltage code.
 (2) For use on 230 V / 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see page B8/60 and B8/62. This coil can be used on 240 V at 60 Hz.
 (3) This coil can be used on 220/240 V at 50 Hz and on 240 V only at 60 Hz.
- (4) For use on **400** V / 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see page B8/60 and B8/62.





a.c coils for 3 or 4-pole contactors LC1D115

Specifications

Average consumption at 20 °C:

- inrush $(\cos \phi = 0.8) 50 \text{ or } 60 \text{ Hz} : 300 \text{ VA}$
- sealed $(\cos \phi = 0.3)$ 50 or 60 Hz: 22 VA.

Operating range ($\theta \le 55$ °C): 0.85...1.1 Uc.

circuit	Average resistance at 20 °C ±10 %	Inductance of closed circuit	Reference	Average resistance at 20 °C ±10 %		Reference
٧	Ω	Н		Ω	Н	
			50 Hz			60 Hz
24	1.24	0.09	LX1D8B5	0.87	0.07	LX1D8B6
32	2.14	0.17	LX1D8C5	_	_	_
42	3.91	0.28	LX1D8D5	-	-	-
48	4.51	0.36	LX1D8E5	3.91	0.28	LX1D8E6
110	26.53	2.00	LX1D8F5	19.97	1.45	LX1D8F6
115	26.53	2.00	LX1D8FE5	_	_	-
120	_	_	_	24.02	1.70	LX1D8G6
127	32.75	2.44	LX1D8FC5	_	_	-
208	_	-	-	67.92	5.06	LX1D8L6
220	104.77	7.65	LX1D8M5	79.61	5.69	LX1D8M6
230	104.77	8.29	LX1D8P5	_	_	-
240	125.25	8.89	LX1D8U5	97.04	6.75	LX1D8U6
277	-	-	-	125.75	8.89	LX1D8W6
380	338.51	22.26	LX1D8Q5	243.07	17.04	LX1D8Q6
400	368.43	25.55	LX1D8V5	_	_	-
415	368.43	27.65	LX1D8N5	_	_	-
440	441.56	30.34	LX1D8R5	338.51	22.26	LX1D8R6
480	_	_	-	368.43	25.55	LX1D8T6
500	566.62	38.12	LX1D8S5	_	_	

a.c coils for 3 or 4-pole contactors LC1D115, LC1D150 **Specifications**

Average consumption at 20 °C:

- inrush: $\cos \phi = 0.9 280 \text{ to } 350 \text{ VA}$
- sealed: cos φ = 0.9 2 to 18 VA.

Operating range ($\theta \le 55$ °C): 0.8...1.15 Uc.

Coils with integral suppression device fitted as standard, class B.

Control circuit voltage Uc	Average resistance at 20 °C ±10 %		Reference	Average resistance at 20 °C ±10 %	Inductance of closed circuit	Reference
٧	Ω	Н		Ω	Н	
						50/60 Hz
24	_	_	-	147	3.03	LX1D8B7
32	_	-	-	301	8.28	LX1D8C7
42	_	_	_	498	13.32	LX1D8D7
48	-	_	_	1061	24.19	LX1D8E7
110	-	-	-	4377	109.69	LX1D8F7
115	_	_	_	4377	109.69	LX1D8FE7
120	_	_	_	4377	109.69	LX1D8G7
127	_	_	_	6586	152.65	LX1D8FC7
208	_	_	_	10 895	260.15	LX1D8LE7
220	_	_	_	9895	210.72	LX1D8M7
230	_	_	_	9895	210.72	LX1D8P7
240	_	_	_	9895	210.72	LX1D8U7
277	_	_	_	21 988	533.17	LX1D8UE7
380	_	_	_	21 011	482.42	LX1D8Q7
400	-	-	-	21 011	482.42	LX1D8V7
415	_	_	_	21 011	482.42	LX1D8N7
440	_	_	_	21 501	507.47	LX1D8R7
480	_	_	_	32 249	938.41	LX1D8T7
500	_	_	_	32 249	938.41	LX1D8S7

TeSys D contactors - Coils

Product references

d.c. coils for 3-pole contactors LC1D80 or 4-pole contactors LP1D80

Specifications

Average consumption: 22 W. Operating range: 0.85...1.1 Uc.



Control circuit voltage Uc	Average resistance at 20 °C ± 10%	Inductance of closed circuit	Reference (1)	Weight
٧	Ω	Н		kg
12	6.6	0.46	LX4D7JD	0.680
24	27	1.89	LX4D7BD	0.680
36	57	4	LX4D7CD	0.680
48	107	7.5	LX4D7ED	0.680
60	170	11.9	LX4D7ND	0.680
72	230	16.1	LX4D7SD	0.680
110	564	39.5	LX4D7FD	0.680
125	718	50.3	LX4D7GD	0.680
220	2215	155	LX4D7MD	0.680
250	2850	200	LX4D7UD	0.680
440	9195	640	LX4D7RD	0.680

⁽¹⁾ The last 2 digits in the reference represent the voltage code.

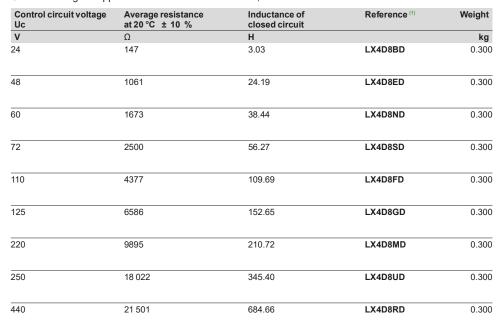
d.c. coils for contactors LC1D115, D150

Specifications

Consumption: inrush 270 to 365 W, sealed 2.4 to 5.1 W.

Operating range: 0.75...1.2 Uc.

Coils with integral suppression device fitted as standard, class B.





LX4D8●D

d.c. coils for 3-pole contactors LC1D80 or 4-pole contactors LP1D80 Specifications

Wide range coils for specific applications Average consumption: 23 W. Operating range: 0.75 to 1.2 Uc. Coils with "TH" treatment as standard.

Control circuit volta Uc	ge Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
٧	Ω	Н		kg
12	6.2	0.49	LX4D7JW	0.680
24	23.5	1.75	LX4D7BW	0.680
36	51.9	4.18	LX4D7CW	0.680
48	94.		LX4D7EW	0.680
72	204	15.7	LX4D7SW	0.680
110	483	36	LX4D7FW	0.680
220	1922	144	LX4D7MW	0.680

⁽¹⁾ The last 2 digits in the reference represent the voltage code.



Technical Data for Designers

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TeSys SK: > characteristicsB8/86 to B8/89 > dimensionsB8/90	TeSys GY: > characteristicsB8/114 to B8/116 > dimensionsB8/117 and B8/76
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TeSys SKGC: > characteristicsB8/99 to B8/102 > dimensionsB8/103	Standard IEC tests - Contactors conforming to UL/CSAB8/124

Contactors

TeSys D Green, TeSys D Contactors

Characteristics

Environment							
Contactor type LC1			D09D18 DT20 and DT25	D25D38 DT32 and DT40	D40AD80A DT60A and DT80A	D80D95 (1)	D115 and D150
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1, overvoltage category III, degree of pollution: 3	V	690		•	1000	
	Conforming to UL, CSA	٧	600				
Rated impulse withstand voltage (Uimp)	Conforming to IEC 60947	kV	6			8	
Conforming to standards					7-5-1, UL 60947-4 5-1, GB/T 14048.		n° 60947-4-1, U
Product certifications (1)			UL, CSA, CCC, CB certification,	EAC, EU-MR-RO by D	NV-GL	UL, CSA, CCC CB certification RINA, BV, LRC	n, DNV-GL,
Degree of protection (2) (front face)	Conforming to IEC 60529						
	Power circuit connections		Protection agair	nst direct finger co	ontact IP20		
	Coil connection		Protection agair	nst direct finger co	ontact IP20		
Climatic withstand			According to IA0 IEC 60947-1 An	CS E10 and nex Q category D)	According to IA	ACS E10
Ambient air temperature around the device	Storage	°C	-60+80				
	Operation (3)	°C	-40+60				
	Allowed with derating (3) (4)	°C	+60+70 at Uc	to 1.●● x Uc			
Maximum operating altitude	Without derating	m	3000				
Operating positions (5)	Without derating in the following positions		AC and DC coils AC/DC and "BB		AC coils AC/DC and "BB	E" coils	DC coils
		DF510743.eps	300	Ŝ/	0F537812.eps	300	180 °
	Positions that are not allowed		For == contactor	rs LC1D09 to LC1	ID150.		
		DF537814.eps		DF537815.eps			
Flame resistance	Conforming to IEC 60695-2-11	°C	850				
Shock resistance ⁽⁶⁾ 1/2 sine wave = 11 ms	Contactor open		10 gn	8 gn	10 gn	8 gn	6 gn
	Contactor closed		15 gn	15 gn	15 gn	10 gn	15 gn
Vibration resistance (6) 5300 Hz	Contactor open		2 gn				
	Contactor closed		4 gn	4 gn	4 gn	3 gn	4 gn

(1) Contactor LC1D95 with d.c. coil is not UL/CSA certified.
(2) Protection provided for the cabling c.s.a.'s indicated on the next page and for connection by cable. For lug type: add a protective cover.

(3) As per IEC60947-4-1, operating time and drop out voltage given and tested for -5...+40 °C. (4) Refer to operational current in AC1 (page A6/40).

(5) When mounting on a vertical rail, use a stop.
(6) Without modifying the power contact states, in the most unfavourable direction (coil energised at Ue). In case of vibration, it is recommended to mount the devices separately by screws on metal plate.

References: Dimensions: Schemes: pages B8/4 to B8/14 pages B8/72 to B8/78 pages B8/79 and B8/80





TeSys TeSys D Green, TeSys D Contactors

Characteristics

Rated control circuit voltage (Uc)

Control voltage limits

Contactor type		LC1		D09 (3P)	DT20 D098	D12 (3P)	DT25 D128	D18 (3P)	DT32 D188	D25 (3P)	DT40 D258
Rated operational current (le)	In AC-3, θ ≤ 60 °C		Α	9		12	12		18		•
(Ue ≤ 440 V)	In AC-1, θ ≤ 60 °C		Α	25 (1)	20	25 (1)	25	32 (1)	32	40 (1)	40
Rated operational voltage (Ue)	Up to		٧	690		690		690	-	690	•
Frequency limits	Of the operational cur	rent	Hz	25400		25400	00 25400 25400				
Conventional thermal current (lth)	θ ≤ 60 °C		Α	25 (1)	20	25 (1)	25	32 (1)	32	40 (1)	40
Rated making capacity (440 V)	Conforming to IEC 60	947	Α	250		250	250		300		
Rated breaking capacity (440 V)	Conforming to IEC 60	947	Α	250		250		300		450	
No current flowing for preceding F	For 1 s		Α	210		210		240		380	
	For 10 s		Α	105		105		145		240	
15 minutes with θ ≤ 40 °C	For 1 min		Α	61 6		61		84		120	D258
	For 10 min		Α	30		30	30		40		
Fuse protection	Without thermal	type 1	Α	25		40	40		50		
against short-circuits (U ≤ 690 V)	overload relay, gG fuse	type 2	Α	20		25		35		40	0
	With thermal overload relay		Α				d B11/5, for aM or gG				
Average impedance per pole	At Ith and 50 Hz		mΩ	2.5		2.5		2.5			
Power dissipation per pole for the	AC-3		W	0.20		0.36		0.8		1.25	
above operational currents	AC-1		W	1.56		1.56		2.5		3.2	







		50 or 60 Hz c	oils	Operation			-
				Drop-out			-
		50/60 Hz coils	S	Operation			0.81.1 Uc on 50 Hz and 0.851.1 Uc on 60 Hz at 60 °C
				Drop-out			0.30.6 Uc at 60 °C
	Average cons		∼ 50 Hz	Inrush	50 Hz coil	VA	-
	at 20 °C and	at Uc			Cos φ		0.75
					50/60 Hz coil	VA	70
				Sealed	50 Hz coil	VA	-
					Cos φ		0.3
					50/60 Hz coil	VA	7
)		-	\sim 60 Hz	Inrush	60 Hz coil	VA	-
					Cos φ		0.75
					50/60 Hz coil	VA	70
J				Sealed	60 Hz coil	VA	_
7					Cos φ		0.3
					50/60 Hz coil	VA	7.5
	Heat dissipat	ion 5	50/60 Hz			w	23
	Operating tim	ie (2)		Closing "C	, , , , , , , , , , , , , , , , , , ,	ms	1222
				Opening "	0"	ms	419

in millions of operating cycles Maximum operating rate

(1) Versions with spring terminal connections:

Life Is On

50 or 60 Hz coil

50/60 Hz coil on 50 Hz

In operating cycles per hour

Control circuit characteristics, a.c. supply TeSys D

50/60 Hz

٧

12...690

(1) Versions with spring terminal conflictions.
 16 A for LC1D093 and LC1D123 (20 A possible with 2 x 2.5 mm² in parallel),
 25 A for LC1D183 to LC1D323 (32 A possible for LC1D183 connected with 2 x 4 mm² cables in parallel; 40 A possible for LC1D253 and LC1D323 connected with 2 x 4 mm² in parallel).
 (2) The closing time "C" is measured from the moment the coil supply is switched on to closure of the main poles. The opening time "O" is measured from the

15

3600

References: pages B8/4 to B8/14

Mechanical durability

at ambient temperature ≤ 60 °C

Dimensions: pages B8/72 to B8/78

Schemes: pages B8/79 and B8/80



moment the coil supply is switched off to the moment the main poles separate.

D32	D38	D40A	DT60A	D50A	D65A	D80A	DT80A	D80	D95	D115	D150
32	38	40	-	50	65	66	_	80	95	115	150
50 ⁽¹⁾	50	60	60	80	80	80	80	125	125	200	200
690	690	690	690	690	690	690	690	1000	1000	1000	1000
2540	25400	25400	25400	25400	25400	25400	25400	25400	25400	25400	25400
50	50	60	60	80	80	80	80	125	125	200	200
550	550	800	800	900	1000	1000	1000	1100	1100	1260	1660
550	550	800	800	900	1000	1000	1000	1100	1100	1100	1400
430	430	720	720	810	900	900	900	990	1100	1100	1400
260	310	320	320	400	640	640	640	640	800	950	1200
138	150	165	165	208	260	260	260	320	400	550	580
60	60	72	72	84	110	110	110	135	135	250	250
63	63	80	80	100	125	125	125	200	200	250	315
63	63	80	80	100	125	125	125	160	160	200	25
See pag	ges B11/4 and B1	I1/5 for aM or	gG fuse rating	s correspond	ling to the ass	sociated them	nal overload r	elay			1
2	2	1.5	1.6	1.5	1.5	1.5	1.6	0.8	0.8	0.6	0.6
2	3	2.4	_	3.7	6.3	6.3	_	5.1	7.2	7.9	13.5
5	5	5.4	5.8	9.6	9.6	9.6	10.2	12.5	12.5	24	
1269	n	12690								24500	
-		_		-				0.85 1.1	Uc at 55 °C	24000	
_		-						0.001.1	OC at 35 C		
		-						0.30.6 \	Jc at 55 °C	0.30.5 Ud	at 55 °C
and	1 Uc on 50 Hz .1 Uc on 60 Hz		lc on 50 Hz ar Uc on 60 Hz a					and	Jc on 50 Hz Uc on 60 Hz	0.81.15 U Hz at 55 °C	Jc on 50/60
	6 Uc at 60 °C	0.30.6 U	c at 60 °C						Jc at 55 °C	0.30.5 Ud	at 55 °C
		_						200		300	_
0.75		0.75						0.75		0.8	0.9
70		160						245		280350	280350
-		_						20		22	_
0.3		0.3						0.3		0.3	0.9
7		15						26		218	21
		-						220		300	21
											-
0.75		0.75						0.75		0.8	0.9
70		140						245		280350	280350
		-						22		22	-
0.3		0.3						0.3		0.3	0.9
7.5		13						26		218	218
23		45	1.0	1.6	T.a	1.0	1	610	laa	38	34.5
1222		1226	1226	1226	1226	1226	1226	2035	2035	2050	2035
419		419	419	419	419	419	419	620	620	620	4075
		-		-	-			10	10	8	-
15		6	6	6	6	6	6	4	4	8	
10											

References: pages B8/4 to B8/14

Dimensions: pages B8/72 to B8/78

Schemes: pages B8/79 and B8/80

TeSys TeSys D Contactors

Characteristics

Contactor type				LC1D09D38 LC1DT20DT40	LC1D40AD80A LC1DT60A and DT80A	LC1 or LP1D80 LC1D95	LC1D115 and LC1D150
Rated control circuit voltage (Uc)	=		V	12440	12440		24440
Rated insulation voltage	Conforming to IE	C 60947-1	v	690			
	Conforming to U	L, CSA	٧	600			
Control voltage limits	Operation	Standard coil		0.71.25 Uc at 60 °C	0.751.25 Uc at 60 °C	0.851.1 Uc at 55 °C	0.751.2 Uc at 55 °C
		Wide range coil		_	-	0.751.2 Uc at 55 °C	
	Drop-out			0.10.25 Uc at 60 °C	0.10.3 Uc at 60 °C	0.10.3 Uc at 55 °C	0.150.4 Uc at 55 °C
Average consumption	==	Inrush	W	5.4	19	22	270365
at 20 °C and at Uc		Sealed	w	5.4	7.4	22	2.45.1
Operating time (1)	Closing	"C"	ms	63 ±15 %	50 ±15%	95130	2035
average at Uc	Opening	"O"	ms	20 ±20 %	20 ±20%	2035	4075
			applica	The arcing time depen ations, the arcing time to the sum of the openi	is less than 10 ms. The ing time and the arcing	e load is isolated from time.	the supply after a ti
Time constant (L/R)			ms	28	34	75	25
Mechanical durability at Uc	In millions of ope	erating cycles		30	10	10	8
Maximum operating rate at ambient temperature ≤ 60 °C	In operating cycle	es per hour		3600	3600	3600	1200
Low consumption co	ntrol circuit	character	istics	TeSys D			
Rated insulation voltage	Conforming to IE	C 60947-1	V	690	-		
	Conforming to U	L, CSA	٧	600	-		
Maximum voltage	Of the control cir	cuit on ===	٧	250	-		
Average consumption	Wide range coil	Inrush	w	2.4	_		
d.c. at 20 °C and at Uc	(0.81.25 Uc)	Sealed	w	2.4	_		
Operating time (1)	Closing	"C"	ms	77 ±15 %	_		
at Uc and at 20 °C	Opening	"O"	ms	25 ±20 %	-		
Voltage limits (θ ≤ 60 °C)	Operation			0.8 to 1.25 Uc	_		
of the control circuit	Drop-out			0.10.3 Uc	_		
Time constant (L/R)			ms	40	-		
Mechanical durability	In millions of ope	erating cycles		30	_		
Maximum operating rate	In operating cycle	_ ,		3600	-		

Contactors

at ambient temperature ≤ 60 °C

⁽¹⁾ The operating times depend on the type of contactor electromagnet and its control mode.

The closing time "C" is measured from the moment the coil supply is switched on to initial contact of the main poles.

The opening time "O" is measured from the moment the coil supply is switched off to the moment the main poles separate.

TeSys TeSys D Green Contactors

Characteristics

Rated control circuit voltage (Uc)		٧	AC/DC 24	250						
	Operation	٧			axi at 60 °C in 7 t 24 VDC, 0.85		AC).			
	Drop-out	V	0.1 Uc ma	xi (e.g. 100 to	250 V = 25 V	at 60 °C)				
Contactor type			LC1D09	D38		LC1D40A	D80A, LC1	DT60A, LC1D	T80A	
Coil code			BNE	EHE	KUE	BBE	BNE	EHE	KUE	
Rated control circuit voltage (Uc)			24-60	48-130	100-250	24 DC	24-60	48-130	100-250	
C supply at 20°C	Consumption inrush	VA	15	25	25	-	15	23	18	
	Consumption sealed	VA	0.9	1.3	1.6	-	1	1.4	1.	
	Consumption sealed	mA	28	15	9	-	35	17	9.5	
	Heat dissipation	w	0.6	0.8	1.1	-	0.8	0.9	1.3	
OC supply at 20°C	Consumption inrush	w	14	24	18	11	16	19	14	
	Consumption sealed	mA	23	13	7	20	30	15	7	
	Heat dissipation	W	0.6	0.8	1.1	0.5	0.7	0.9	1.2	
lax operating time (2)	Closing "C"	ms	50 ±5 ms			60 ±5 ms				
	Opening "O"	ms	2090 ms	1		2080 ms				
MC immunity			Meets IEC 60947-4-1 standard, table 14							
MC emission	IEC 60947-4-1 §9.4.3		Environme	ent A (1)						
Maximum operating rate at ambient	temperature ≤ 60°C	cycle/h	3600	600						



Use of this product in EMC environment B may require mitigation measures to avoid unwanted disturbance.
 The closing time "C" is measured from the moment the coil supply is switched on to closure of the main poles. The opening time "O" is measured from the moment the coil supply is switched off to the moment the main poles separates.





TeSys TeSys D Green, TeSys D Contactors

Characteristics

Contactor type	Screw clamp terminal	connections TeSys D,	TeSys D	Green								
	•	• •		D09 and D12 DT20	(3P)		D32	D38	D25 (4P) DT32 and	D80A DT60A and		D115 and D15
A	Fightening			Screw cla	mp termi	nals			-	clamp	-	Connecto 2 inputs
Flexible cable 1 conductor mm² 14 16 110 2510 135 450	lexible cable	1 conductor	mm²	14	1.56	2.510)		2.510	135	450	10120
Solid cable	vithout cable end	2 conductors	mm²	14	1.56	2.510)		2.510		425	10120 + 1050
Solid cable		1 conductor	mm²		16							10120
A	with cable end	2 conductors	mm²	12.5	14	1.56			2.510		416	10120 + 1050
Screwdriver Philips N°2 N°2 N°2 N°2 N°2 N°2 N°2 N°3 N°3		1 conductor	mm²		1.56				2.516			10120
Flat screwdriver Ø	without cable end		mm²	14	1.56	2.510)		2.516		625	10120 + 1050
Fightening forque N.m 1.7 1.7 2.5 1.8 5 5 5 5 5 5 5 5 5	Screwdriver	Philips		N° 2	N° 2	N° 2			N° 2	_	-	-
Spring terminal connections Page Page		Flat screwdriver Ø		Ø6	Ø6	Ø6			Ø6	-	Ø6Ø8	-
Spring terminal connections Part Text Spring terminal connections Part Text Part Par	Hexagonal key			-	-	-			-			4
1 conductor mm² 2.5			N.m	1.7	1.7	2.5			1.8	≤ 25 mm ²	12	12
	Spring terminal conne	ections (2) TeSys D	,				,					
Connection by bars or lugs TeSys D Bar c.s.a.		1 conductor	mm²		4	4	4	-	10	-	-	
Bar c.s.a.		2 conductors	mm²	(except	4	4	4	-	-	_	_	
mm 8 8 10 10 8 16.5 1	Connection by bars o	or lugs TeSys D										
March Marc	Bar c.s.a.			_	_	-	 -		_	_	3 x 16	5 x 25
N° 2	₋ug external Ø		mm	8	8	10	10		8	16.5	1	
Flat screwdriver Ø Ø6 Ø6 Ø6 Ø6 Ø6 Ø6 Ø6	Ø of screw		mm	M3.5	M3.5	M4	M4		M3.5	M6	M6	M8
Control circuit connections	Screwdriver	Pozidriv		N° 2	N° 2	N° 2	N° 2		N° 2	-	_	-
N.m 1.7 1.7 2.5 2.5		Flat screwdriver Ø		Ø6	Ø6	Ø6	Ø6		Ø6	-	Ø8	_
Control circuit connections Connection by cable (tightening via screw clamps) TeSys D, TeSys D Green	Key for hexagonal headed	screw				-			-	10	10	13
Connection by cable (tightening via screw clamps) TeSys D, TeSys D Green	Fightening torque		N.m	1.7	1.7	2.5	2.5					
Flexible cable without cable end	Control circuit co	nnections										
Flexible cable without cable end	Connection by cable	(tightening via screw cl	amps) 1	eSvs D. T	eSvs D	Green						
without cable end 2 conductors mm² 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14			1	1			14		14	14	14	12.5
Conductor Mm² 14 14 14 14 14 14 14 14 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 1.	without cable end	2 conductors	mm²				_					12.5
with cable end 2 conductors mm² 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	Flexible cable		_									12.5
Solid cable 1 conductor mm² 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 1.								;				12.5
without cable end 2 conductors mm² 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14	Solid cable						_					12.5
Philips	without cable end								_			12.5
Flat screwdriver Ø Ø6 Ø6 Ø6 Ø6 Ø6 Ø6 Ø6	Screwdriver											N° 2
N.m 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7							_					Ø6
Flexible cable without cable end	Fightening torque	. iac ostowanio 2	N.m								1	1.2
Flexible cable without cable end	Spring terminal conne	ections (2) TeSvs D					1					
without cable end 2 conductors mm² 2.5 2.5 2.5 2.5 - 2.5 0.752.5 - Connection by bars or lugs TeSys D Lug external Ø mm 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 <		•	mm ²	2.5	2.5	2.5	2.5	I_	2.5	0.75 2.5	_	I_
mug external Ø mm 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			_					-			-	-
Lug external Ø mm 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Connection by bars of	or lugs TeSvs D		1			1					
Ø of screw mm M3.5	•	. 3 ,	mm	8	8	8	8		8	8	8	8
Screwdriver Pozidriv (except for D80-95 / N° 2												M3.5
DT15-150: Pfillips)		(except for D80-95 /										N° 2
Fig. 180 180 180 180 180 180 180 180 180 180			+	ac	ac.	ac.	-		00	00	00	ac
Flat screwdriver Ø Ø6		Flat screwdriver Ø	 		_			-				Ø6 1.2

⁽¹⁾ BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4, see page B8/28).
(2) If cable ends are used, choose the next size down (example: for 2.5 mm², use 1.5 mm²) and square crimp the cable ends using a special tool.

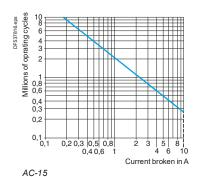
References: Dimensions: Schemes: pages B8/79 and B8/80

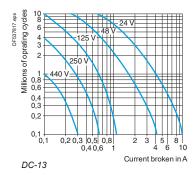
pages B8/4 to B8/14 pages B8/72 to B8/78

TeSys TeSys D Green, TeSys D Contactors

Characteristics

Mechanically linked contacts	Conforming to IEC	60947-5-1		Each contactor has 2 N/O and N/C contacts mechanically linked on the same movable contact holder
Mirror contact	Conforming to IEC	60947-4-1		The N/C contact on each contactor represents the state of the power contacts and can be connected to a PREVENTA safety module
Rated operational voltage (Ue)	Up to		V	690
Rated insulation voltage (Ui)	Conforming to IEC	60947-1	v	690
	Conforming to UL,	CSA	V	600
Conventional thermal current (lth)	For ambient temper ≤ 60 °C	rature	Α	10
Frequency of the operational cu	irrent		Hz	25400
Minimum switching capacity	U min		v	17
$\lambda = 10^{-8}$	I min		mA	5
Short-circuit protection	Conforming to IEC	60947-5-1		gG fuse: 10 A
Rated making capacity	Conforming to IEC I rms	60947-5-1,	Α	∼ : 140, ··· : 250
Short-time rating	Permissible for	1 s	Α	100
		500 ms	Α	120
		100 ms	Α	140
Insulation resistance			MΩ	> 10
Non-overlap time	Guaranteed between N/C and N/O contains		ms	1.5 (on energisation and on de-energisation)
Tightening torque	Pozidriv / Philips he	ead n° 2	N.m	1.7





Operational power of contacts conforming to IEC 60947-5-1

a.c. supply, categories AC-14 and AC-15

Electrical durability (valid for up to 3600 operating cycles/hour) on an inductive load such as the coil of an electromagnet: making current ($\cos \varphi$ 0.7) = 10 times the power broken ($\cos \phi$ 0.4).

Operating cycles	V	24	48	115	230	400	440	600
1 million	VA	60	120	280	560	960	1050	1440
3 million	VA	16	32	80	160	280	300	420
10 million	VA	4	8	20	40	70	80	100

d.c. supply, category DC-13

Electrical durability (valid for up to 1200 operating cycles/hour) on an inductive load such as the coil of an electromagnet, without economy resistor, the time constant increasing with the load.

Operating cycles	٧	24	48	125	250	440
1 million	w	96	76	76	76	44
3 million	w	48	38	38	32	_
10 million	W	14	12	12		_

TeSys D Green, TeSys D Contactors - Auxiliary contact blocks

Characteristics

Conforming to standards Conforming to standards IEC/EN 60947-5-1, UL 60947-5-1, CSA C22.2 n° 60947-5-1, GB/T 14044 Product certifications UL, CSA, CCC, EAC, CB certification UL, CSA, CCC, EAC, CB certification Degree of protection Conforming to IEC 60529 Ambient air temperature around the device Operation Connection by cable Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end without cable end without cable end Instantaneous and time delay contact characteristics Number of contacts Rated operational voltage (Ue) Rated insulation voltage (Ui) Conforming to UL, CSA V 600 LADT and LADS LADR LADR LADS 69047-5-1, CSA C22.2 n° 60947-5-1, GB/T 14044 Will contact IP 2X Will certification Protection against direct finger contact IP 2X **C -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60+80 -60.	
Product certifications Degree of protection Conforming to IEC 60529 Protection against direct finger contact IP 2X Ambient air temperature around the device Operation Ope	
Degree of protection Conforming to IEC 60529 Protection against direct finger contact IP 2X Ambient air temperature around the device Operation ©C -60+80 Operation ©C -5+60 Maximum operating altitude Without derating Min: 1 x 1; max: 2 x 2.5 Without cable end Tightening torque Spring terminal connections Flexible or solid cable with or without cable end Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Conforming to IEC 60947-5-1 V 690 (Ui) Conventional thermal For ambient temperature current (Ith) Self or Conventional current Hz 25400 Minimum switching capacity U min V 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	3.5
Ambient air temperature around the device	
around the device Operation °C -5+60 Maximum operating altitude Without derating m 3000 Connection by cable Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable without cable end Phillips n° 2 and Ø6 mm Flexible or solid cable without cable end Phillips n° 2 and Ø6 mm² Phillips n° 2 and Ø6 m² Phillips n° 2 and Ø6 mm² Phillips n° 2 and Phillips n	
Maximum operating altitude Connection by cable Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Tightening torque Spring terminal connections Flexible or solid cable without cable end N.m. 1.7 Spring terminal connections Flexible or solid cable without cable end Mm² Max: 2 x 2.5 Instantaneous and time delay contact characteristics Number of contacts 1, 2 or 4 2 2 2 2 Rated operational voltage (Ue) Rated insulation voltage (UI) Conforming to IEC 60947-5-1 V 690 Conventional thermal For ambient temperature source (Ith) \$\leq\$ 60 °C Frequency of the operational current Hz 25400 Minimum switching capacity U min V 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
Connection by cable Phillips n° 2 and Ø6 mm Flexible or solid cable with or without cable end Tightening torque Spring terminal connections Flexible or solid cable without cable end N.m. 1.7 Max: 2 x 2.5 Instantaneous and time delay contact characteristics Number of contacts Up to (Ue) Rated operational voltage (UI) Conforming to UL, CSA Conventional thermal current For ambient temperature current (Ith) For ambient temperature Short-circuit protection Conforming to IEC 60947-5-1 I min MA Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1 x 1; max: 2 x 2.5 Min: 1	
Flexible or solid cable with or without cable end Tightening torque Spring terminal connections Flexible or solid cable without cable end Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Instantaneous and time delay contact characteristics Number of contacts Instantaneous and time delay contact characteristics Instantaneous and time delay contacteristics Instantaneous and time delay contacteristics Instantaneous and time delay contacteristics Instantan	
Spring terminal connections	
Instantaneous and time delay contact characteristics	
Number of contacts 1, 2 or 4 2 2 2 Rated operational voltage (Ue) Up to V 690 Rated insulation voltage (Ui) Conforming to IEC 60947-5-1 V 690 Conventional thermal current (Ith) For ambient temperature ≤ 60 °C A 10 Frequency of the operational current Hz 25400 Minimum switching capacity U min V 17 I min mA 5 The conventional terms of the conforming to IEC 60947-5-1 A 10	
Rated operational voltage (Ue)	
(Ue) Conforming to IEC 60947-5-1 V 690 (Ui) Conforming to UL, CSA V 600 Conventional thermal current (Ith) For ambient temperature ≤ 60 °C A 10 Frequency of the operational current Hz 25400 Minimum switching capacity U min V 17 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
(Ui) Conforming to UL, CSA V 600 Conventional thermal current For ambient temperature ≤ 60 °C Frequency of the operational current Hz 25400 Minimum switching capacity U min V 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
Conventional thermal For ambient temperature current (Ith)	
current (Ith) ≤ 60 °C Frequency of the operational current Hz 25400 Minimum switching capacity U min V 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
Minimum switching capacity U min V 17 I min mA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
I min MA 5 Short-circuit protection Conforming to IEC 60947-5-1 A 10	
Short-circuit protection Conforming to IEC 60947-5-1 A 10	-
gG fuse	
Rated making capacity Conforming to I rms IEC 60947-5-1	
Short-time rating Permissible for 1 s A 100	
500 ms A 120	
100 ms A 140	
Insulation resistance $M\Omega$ > 10	
Non-overlap time Guaranteed between N/C and N/O contacts ms 1.5 (on energisation and on de-energisation)	
Overlap time Guaranteed between N/C and N/O contacts on LADC22 ms 1.5	·
Time delay Ambient air temperature °C – -40+70 – (LADT, R and S contact blocks) for operation	
Accuracy only valid for Repeat accuracy - +2 % +2 % -	
setting range indicated on the front face Drift up to 0.5 million operating cycles +15 % +15 % -	
Drift depending on ambient air temperature - 0.25 % per °C 0.25 % per °C -	
Mechanical durability In millions of operating cycles 30 5 5 3	
Operational power See page B8/68 of contacts	

Suc

References:	Dimensions:	Schemes:
page B8/22	pages B8/72 and B8/73	pages B8/79 and B8/80

TeSys D Green, TeSys D Contactors - Auxiliary contact blocks

Characteristics

Contact block type (dust/da	mp protected)			LA1DX	LA1DZ (4 contact protected)	cts: 2 protected + 2 non	LA1DY
				Protected	Protected	Non protected	Protected
Conforming to standards				IEC/EN 60947-5	1, UL 60947-5-1, CS	A C22.2 n° 60947-5-1, GE	3/T 14048.5
Product certifications				UL, CSA, CCC, I	EAC, CB certification		
Degree of protection	Conforming to IEC	60529		Protection agains	st direct finger contact	IP 2X	
Ambient air temperature	Storage and operat	ion	°C	-25+70			
Cabling	Phillips n° 2 and Ø6 Flexible or solid cor with or without cabl	nductor	mm²	Min: 1 x 1; max:	2 x 2.5		
Tightening torque			N.m	1.7			
Number of contacts				2	2	2	2
Contact characteris	stics		_				
Rated operational voltage	Up to		Vac	125	125	690	125
(Ue)			Vdc	30	30		30
Rated insulation voltage	Conforming to IEC	60947-5-1	v	250	250	690	250
(Ui)	Conforming to UL,	CSA	V	-	-	600	_
Conventional thermal current (Ith)	For ambient temper ≤ 40 °C	rature	Α	-	-	10	-
Maximum operational current (le)			mA	100	100	-	100
Frequency of the operational c	urrent		Hz	-	-	25400	-
Minimum switching capacity		U min	v	5	5	17	5
		l min	mA	1	1	5	1
Short-circuit protection	Conforming to IEC gG fuse	609475-1	Α	-	-	10	-
Rated making capacity	Conforming to IEC 609475-1	I rms	Α	-	-	∼ :140; : 250	_
Short-time rating	Permissible for	1 s	Α	-	_	100	-
		500 ms	Α	_	-	120	-
		100 ms	Α	-	-	140	_
Insulation resistance			MΩ	> 10	> 10	> 10	> 10
Mechanical durability	In millions of operat	ting cycles		5	5	30	5
Materials and technology used for dust and damp protec	ted contacts			Gold alloy - Single break	Gold alloy - Single break	-	Gold alloy - Single break w crossed bars



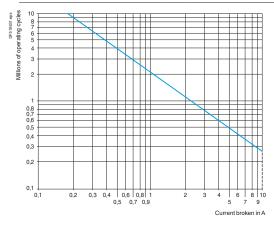


Rated operational power of not dust/damp protected contacts (conforming to IEC 60947-5-1)

a.c. supply, categories AC-14 and AC-15

Electrical durability (valid for up to 3600 operating cycles/hour) on an inductive load such as the coil of an electromagnet: making current (cos ϕ 0.7) = 10 times the power broken (cos ϕ 0.4).

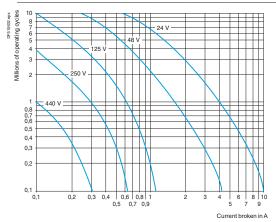
Operating cycles	V	24	48	115	230	400	440	600
1 million	VA	60	120	280	560	960	1050	1440
3 million	VA	16	32	80	160	280	300	420
10 million	VA	4	8	20	40	70	80	10



d.c. supply, category DC-13

Electrical durability (valid for up to 1200 operating cycles/hour) on an inductive load such as the coil of an electromagnet, without economy resistor, the time constant increasing with the load.

Operating cycles	V	24	48	125	250	440
1 million	w	96	76	76	76	44
3 million	W	48	38	38	32	_
10 million	w	14	12	12	_	_









Contactors

TeSys D Green, TeSys D Contactors - Coil Suppressors, mechanical latches

Characteristics

Environment			
Conforming to standards			IEC/EN 60947-5-1, UL 60947-5-1, CSA C22.2 n° 60947-5-1, GB/T 14048.5
Product certifications			UL, CSA
Degree of protection	Conforming to IEC 60529		Protection against direct finger contact IP 2X
Ambient air temperature	Storage	°C	-40+80
around the device	Operation	°C	-25+55
	Permissible for operation at Uc	°C	-25+70

Suppressor modules TeSys	s D					
Module type			LA4DA, LAD4RC, LAD4RC3	LA4DB, LAD4T, LAD4T3	LA4DC, LAD4D3	LA4DE, LAD4V, LAD4V3
Type of protection			RC circuit	Bidirectional peak limiting diode	Diode	Varistor
Rated control circuit voltage (Uc)		V	~ 24415	∼ or == 24440	 12250	∼ or == 24250
Maximum peak voltage			3 Uc	2 Uc	Uc	2 Uc
Natural RC frequency	24/48 V	Hz	400	_	_	_
	50/127 V	Hz	200	_	_	-
	110/240 V	Hz	100	-	_	-
	380/415 V	Hz	150	-	-	-

Mechanical latch b	locks (1) TeSys	D, TeSys	D Gre	een	
Mechanical latch block type	е			LAD6K10	LA6DK20
For use on contactor				LC1D09D80A DT20DT80A	LC1D80D150 LP1D80 and LC1D115
Product certifications				UL, CSA	UL, CSA
Rated insulation voltage	Conforming to IE	C 60947-5-1	V	690	690
Rated control circuit voltage	\sim 50/60 Hz and $^{-}$	=	V	24415	24415
Power required	For unlatching	\sim	VA	25	25
		==	w	30	30
Maximum operating rate	In operating cycle	s/hour		1200	1200
On-load factor			†	10 %	10 %
Mechanical durability at Uc	In millions of oper	ating cycles		0.5	0.5



(1) Unlatching can be manually operated or electrically controlled (pulsed).

The LA6DK or LAD6K latch coil and the LC1D operating coil must not be energised simultaneously.

The duration of the LA6DK or LAD6K and LC1D control signals must be ≥ 100 ms.



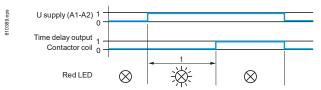




Characteristics

Environment TeSys	s D. TeSvs D Green		
Module type	o b, robje b Green		LA4DT (On-delay)
Conforming to standards		Т	IEC 60255-5
Product certifications			UL, CSA
Degree of protection	Conforming to IEC 60529		Protection against direct finger contact IP 2X
Ambient air temperature	Storage	°C	-40+80
around the device	Operation	°C	-25+55
	For operation at Uc	°C	-25+70
Rated insulation voltage (Ui)	Conforming to IEC 60947-1	V	250
Cabling	Phillips n° 2 and Ø6 mm Flexible or solid conductor with or without cable end	mm²	Min: 1 x 1; max: 2 x 2.5
Tightening torque		N.m	1.7
Control circuit cha	racteristics		
Built-in protection	Of the input		By varistor
	Contactor coil suppression		By varistor
Rated control circuit voltage (L	Jc)	v	∼ or ==: 24250
Permissible variation			0.81.1 Uc
Type of control			By mechanical contact only
Timing characteris	tics		
Timing ranges		s	0.12; 1.530; 25500
Repeat accuracy	040 °C		±3 % (10 ms minimum)
Reset time	During time delay period	ms	150
	After time delay period	ms	50
Immunity to microbreaks	During time delay period	ms	10
	After time delay period	ms	2
Minimum control pulse duration	n	ms	-
Time delay signalling	By LED	+	Illuminates during time delay period
Switching characte	eristics (solid state type)		
Maximum power dissipated		w	2
Leakage current		mA	< 5
Residual voltage		v	3.3
Overvoltage protection			3 kV; 0.5 joule
Electrical durability	In millions of operating cycles		30
Function diagram			
Electronic on-delay time	er LA4DT		

Ref.



References:	Dimensions:	Schemes:
page B8/26	pages B8/72 and B8/73	pages B8/79 and B8/80

TeSys D Green, TeSys D Contactors - Interface modules

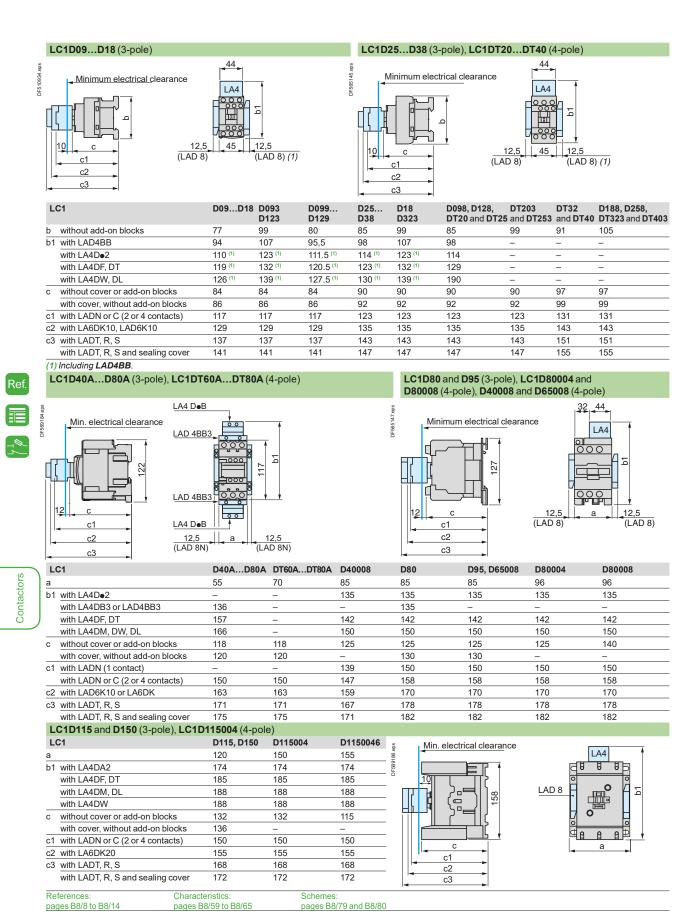
Characteristics

Environment TeSys	D, TeSvs I	O Green						
Conforming to standards	•			IEC 60255-5				
Product certifications			+	UL, CSA				
Degree of protection	Conforming to	IEC 60529		Protection agai	nst direct finger c	ontact IP 2X		
Ambient air temperature	Storage		°C	-40+80				
around the device	Operation		°C	-25+55				
		operation at Uc	°C	-25+70				
Other characteristic		oporation at co		20				
Module type	us			LA4DFB for To	eSys D	LA4DV Solid st	/B for TeSys D,	TeSys D Green
Conventional thermal current (Ith)	For ambient te ≤ 50 °C	mperature	A	8		20.120		
Rated insulation voltage	Conforming to	IEC 60947-5-1	v	250				
Rated operational voltage	Conforming to		V	250				
Indication of input state				By integral LEI	D which illuminate	s when the cont	actor coil is ener	gised
Input signals	Control voltage	e (E1-E2)	v	== 24		 24		
. •	Permissible va		v	1730		530		
	Current consu	mption at 20 °C	mA	25		8.5 for 2		
	State "0" guara	inteed for U	v	< 2.4		< 2.4		
	otato o gaaro	I I	mA	< 2		< 2		
	State "1" guara	inteed for U	V	17		5		
Built-in protection	Against reverse	ed polarity	+	By diode		By dioc	e	
Zum m protocuen	Of the input	ou polarity	_	By diode		By dioc		
Electrical durability at 220 A/240 V	In millions of o	perating cycles	+	10		20		
Maximum immunity to microbro	eaks		ms	4		1		
Power dissipated	At 20 °C		w	0.6		0.4		
Direct mounting	With coil	~ 24250 V		LC1D80D15	0			
on contactor	***************************************	~ 100250 V	-	_		LC1D8	0D115	
		~ 380415 V		_		-		
Mounting with cabling adapter	With coil	∼ 24250 V		LC1D09D38 LC1DT20D1			9D38, 20DT40	
LAD4BB		∼ 380415 V		-		-		
Mounting with cabling adapter	With coil	∼ 24250 V		LC1D40AD8	80A	LC1D4	0AD80A	
LAD4BB3		~ 380415 V		LC1D40AD8	80A	LC1D4	0AD80A	
Total operating time at Uc (of the contactor)			The clo	osing time "C" is r t of the main pole	pend on the type on neasured from the s. The opening tin ment the main po	e moment the co ne "O" is measu	il supply is switc	
				LC1D09 D38, LC1DT20 DT40	LC1D40A D80A	LC1D80 and D95	LC1D115	LC1D150
	With LA4DFB	"C"	ms	2030	2834	2843	2858	2843
		"O"	ms	1624	2024	1832	1832	5287
Cabling	Phillips n° 2 an Flexible or soli with or without	d cable	mm²	Min: 1 x 1; max	x: 2 x 2.5	1		
Tightening torque	William or William	Judio Oliu	N.m	1.7				
riginioning torque			14.111	1.07				





Dimensions

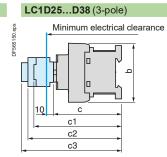


LC1D09...D18 (3-pole) Minimum electrical clearance

c2

сЗ





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45
45 →

LC1	D09D18	D093D123	D099D129	D25D38	D183D323
b	77	99	80	85	99
c without cover or add-on blocks	93	93	93	99	99
with cover, without add-on blocks	95	95	95	101	101
c1 with LADN or C (2 or 4 contacts)	126	126	126	132	132
c2 with LA6DK10	138	138	138	144	144
c3 with LADT, R, S	146	146	146	152	152
with LADT, R, S and sealing cover	150	150	150	156	156
LC1DT20DT40 (4-pole)					

DF565151.eps Minimum electrical clearance

c1 сЗ





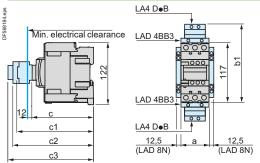


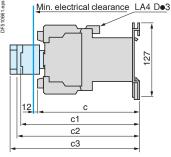


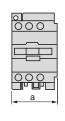
LC1	DT20 and DT25 D098 and D128	DT203 and DT253 D0983 and D1283		DT323 and DT403 D1883 and D2583
b	85	99	91	105
c with cover	102	102	107	107
c1 with LADN or C (2 or 4 contacts)	123	123	131	131
c2 with LA6DK10	135	135	143	143
c3 with LADT, R, S	143	143	151	151
with LADT R. S and sealing cover	147	147	155	155

LC1D40A...D80A (3-pole), LC1DT60A...DT80A (4-pole)

147 155 155 **LC1D80** and **D95** (3-pole), **LP1D80004**, **LP1D80008** (4-pole), LP1D40008 and D65008 (4-pole)







	LC1D40A D80A	LC1 DT60ADT80A	LP1D40008 and D65008	LC1 D80 and D95	LP1D80004	LP1D80008
a	55	72	85	85	96	96
b1 with LAD4BB3	136	136	_	_	_	_
with LA4DF, DT	157	157	_	_	-	-
c without cover or add-on blocks	118	118	182	181	181	196
with cover, without add-on blocks	120	120	_	186	_	_
c1 with LADN (1 contact)	_	_	196	204	204	204
with LADN or C (2 or 4 contacts)	150	150	202	210	210	210
c2 with LA6DK10	163	163	213	221	221	221
c3 with LADT, R, S	171	171	221	229	229	229
with LADT, R, S and sealing cover	175	175	225	233	233	233

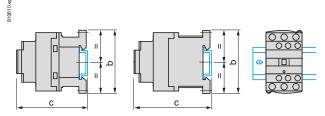
References: Characteristics: Schemes: pages B8/8 to B8/14 pages B8/59 to B8/65 pages B8/79 and B8/80

TeSys TeSys D Contactors

Mounting

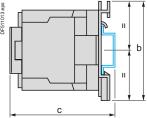
LC1D09...D38, DT20...DT40

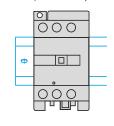
On mounting rail NSYSDR200BD, NSYSDR200BD or NSYSDR200 (width 35 mm)



LC1D40A...D80A, LC1DT60A and DT80A, LC1D80 and D95, LC1D40008 and D65008

On mounting rail AM1DL201 (width 75 mm) (2)
On mounting rail NSSDPR•• or NSYSDR200 (width 35 mm)



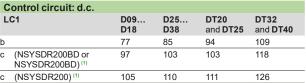


C	Control circuit: a.c.							
L	C1	D09 D18	D25 D38	DT20 and DT25	DT32 and DT40			
b		77	85	85	100			
С	(NSYSDR200BD or NSYSDR200BD) (1)	88	94	94	109			
С	(NSYSDR200) (1)	96	102	102	117			

Co	ontrol circuit: a.c.			
LC	:1	D40AD80A DT60ADT80A	D80 and D95	D40008 and D65008
b		122	127	127
С		-	147	143
С	(AM1DL201) (1)	_	137	133
С	(NSSDPR●● or NSYSDR200 (1)	128	137	133







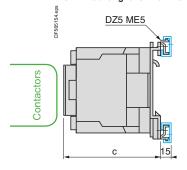
With safety cover		(1)	With	safetv	cover.
-------------------------------------	--	-----	------	--------	--------

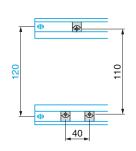
C	Control circuit: d.c.							
L	C1	D40AD80A DT60ADT80A	D80 and D95	D40008 and D65008				
С		-	205	200				
С	(AM1DL201) (1)	_	195	190				
c	(NSSDPR•• or NSYSDR20	0) (1) 128	_	190				

- (1) With safety cover.
- (2) Except for LC1D40A...D80A, LC1DT60A and DT80A.

LC1D80 and D95, LP1D80

On 2 mounting rails DZ5MB on 120 mm centres



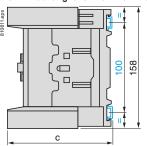


Control circuit: a.c.	D80 and D95
c with cover	130

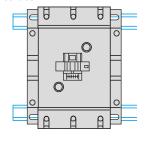
D80 and D95
186
D80
181

LC1D115, D150

On 2 mounting rails DZ5MB on 120 mm centres



Life Is On



C	Control circuit: a.c. or d.c.								
L	C1	D115 and D150	D1156 and D1506						
С	(NSYSDR200BD or NSYSDR200BD)	134.5	117.5						
С	(NSYSDR200 or ED•••)	142.5	125.5						

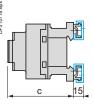
References:
pages B8/8 to B8/14

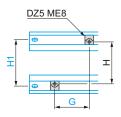
TeSys D Contactors

Mounting

LC1D09...D38 and LC1DT20...DT40

On 2 mounting rails DZ5MB

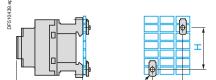




a.c.		d.c.	
D09D18	D25D38	D09D18	D25D38
86	92	95	101
35	35	35	35
60	60	70	70
70	70	70	70
	D09D18 86 35 60	D09D18 D25D38 86 92 35 35 60 60	D09D18 D25D38 D09D18 86 92 95 35 35 35 60 60 70

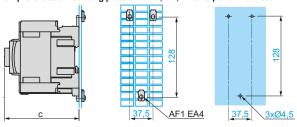
4-pole contactors LC1 DT20 DT32 DT20 DT32 and DT25 and DT40 and DT25 and DT40 92 100 101 109 G 35 35 35 35 Н 60 60 70 70 H1 70 70 70

LC1D09...D38 and LC1DT20...DT40 On pre-slotted mounting plate AM1 PA, PB, PC



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On n	re-slotted	mounting	nlate	ΔM1 P	Δ ΡΕ	PC and	l na

anel mounted



Control circuit:	a.c		d.c	
LC1	D09D18	D25D38	D09D18	D25D38
c with cover	86	92	95	101
G	35	35	35	35
Н	60/70	60/70	70	70
LC1	DT20 and DT25	DT32 and DT40	DT20 and DT25	DT32 and DT40
c with cover	80	93	118	132
G	35	35	35	35
H		60	70	70

Control circuit:	a.c	d.c.	
LC1	D40AD80A, DT60ADT80A	D40A65A, DT60ADT80A	
c with cover	120	120	

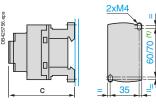




Contactors

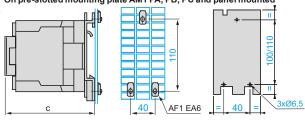
LC1D09...D38, LC1DT20...DT40

Panel mounted



LC1D80 and D95, LC1D40008 and D65008, LP1D80

On pre-slotted mounting plate AM1 PA, PB, PC and panel mounted



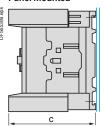
	(1)	for	DC	coil.	70	mm	only.
١	'''	101	D	con.	, ,	,,,,,,,	Oilly.

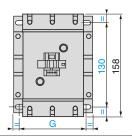
(1) for Do con. To min only.						
Control circuit:	a.c		d.c			
LC1	D09D18	D25D38	D09D18	D25D38		
c with cover	86	92	95	101		
4-pole contactors	4-pole contactors					
LC1	DT20 and DT25	DT32 and DT40	DT20 and DT25	DT32 and DT40		
c with cover	90	98	90	98		

Control circuit:	a.c		d.c.
LC1	D80 and D9	5,	D80 and D95
	D40008 and	D65008	D40008 and D65008
c with cover	130		186
LP1	-	_	D80
c without cover	-	_	181

LC1D115, D150







LC1	D115	D1156	D150	D1506
С	132	115	132	115
G (3-pole)	96/110	96/110	96/110	96/110
G (4-pole)	130/144	130/144	_	_

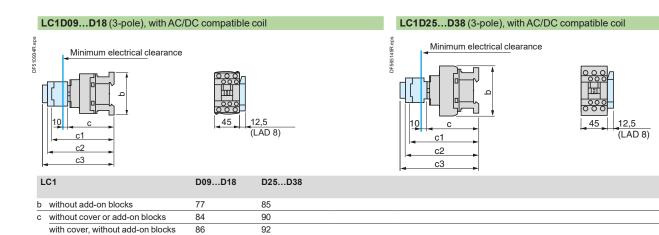
TeSys TeSys D Green Contactors

Dimensions

c1 with LADN or C (2 or 4 contacts)

c2 with LA6DK10

c3 with LADT, R, S



with LADT, R, S and sealing cover 141 147

123

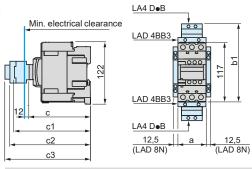
135

143

Ref.







117

129

137

LC1D40A...D80A (3-pole), LC1DT60A...DT80A (4-pole), with AC/DC compatible coil

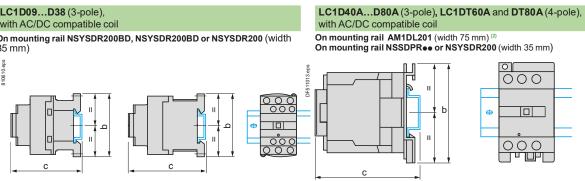
,)
5	
3	
3	
5	
5	

L	C1	D40AD80A	DT60ADT80A
а		55	70
b1	LAD4BB3	136	_
1	with LAD4DWB	166	-
С	without cover or add-on blocks	118	118
	with cover, without add-on blocks	120	120
c1	with LADN (1 contact)	_	-
	with LADN or C (2 or 4 contacts)	150	150
c2	with LAD6K10	163	163
c3	with LADT, R, S	171	171
	with LADT, R, S and sealing cover	175	175

B8/76

LC1D09...D38 (3-pole), with AC/DC compatible coil

On mounting rail NSYSDR200BD, NSYSDR200BD or NSYSDR200 (width $35\ \mathrm{mm}$)



LC1	D09D18	D25D38	
b	77	85	
c (NSYSDR200BI NSYSDR200BD		94	
c (NSYSDR200)	96	102	

L	01	D40AD80A DT60ADT80A
b		122
С		-
С	(AM1DL201)	_
С	(NSSDPR●● or NSYSDR200)	128

000







References: pages B8/4 to B8/7

Characteristics: pages B8/59 to B8/65

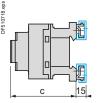
Schemes: pages B8/79 and B8/80

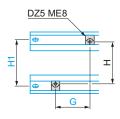
TeSys D Green Contactors

Mounting

LC1D09...D38 (3-pole), with AC/DC compatible coil

On 2 mounting rails DZ5MB

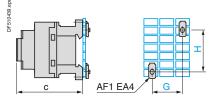


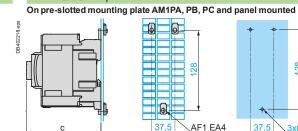


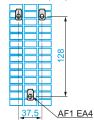
LC1	D09D18	D25D38
c with cover	86	92
G	35	35
Н	60	60
H1	70	70

LC1D09...D38 (3-pole), with AC/DC compatible coil

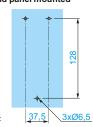
On pre-slotted mounting plate AM1PA, PB, PC







LC1D40A...D80A (3-pole), LC1DT60A...DT80A (4-pole),



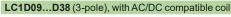


LC1		D09D18	D25D38
С	with cover	86	92
G		35	35
Н		60/70	60/70

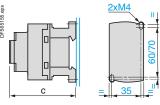


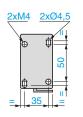
with AC/DC compatible coil













١	L	C1	D09D18	D25D38
	С	with cover	86	92

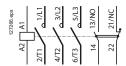
TeSys D Green, TeSys D Contactors

Schemes

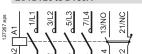
Contactors

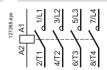
TeSys D, TeSys D Green 3-pole contactors (References: pages B8/8 to B8/11)

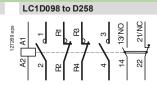
LC1D09 to D150

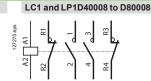


TeSys D 4-pole contactors (References: pages B8/12 and B8/13) LC1D115004









Front mounting add-on contact blocks

Instantaneous auxiliary contacts for TeSys D, TeSys D Green (References: page B8/22) 1 N/O LADN10 (1) 1 N/C LADN01 (1 1 N/O + 1 N/C LADN11

/ 43/NO	(94)
44	(63)

DF510935.eps

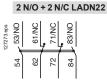


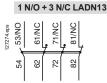


2 N/O LADN20









Contactors

4 N/C LADN04

2 N/O + 2 N/C including 1 N/O + 1 N/C make before break LADC22



3 N/O + 1 N/C LADN31

2 N/O + 2 N/C LADN22P

Instantaneous auxiliary contacts conforming to standard EN 50012 for TeSys D, TeSys D Green (References: page B8/22)

	1 N/O + 1 N/C LADN11G			
12/ 309.eps	31/NC	43/NO		

2 N/O + 2 N/C LADN22G

3 N/O + 1 N/C LADN31G





1 N/O + 3 N/C LADN130				
127315.eps 31/NC	41/NC	21/NC	0N/E9	
32	42	52	64	

	1 N/O + 3 N/C LADN13P				
127316.eps	13/NO	21/NC	31/NC	41/NC	<u>.</u>
	4	22	32	42	7

(1) Items in brackets refer to blocks mounted on right-hand side of contactor.

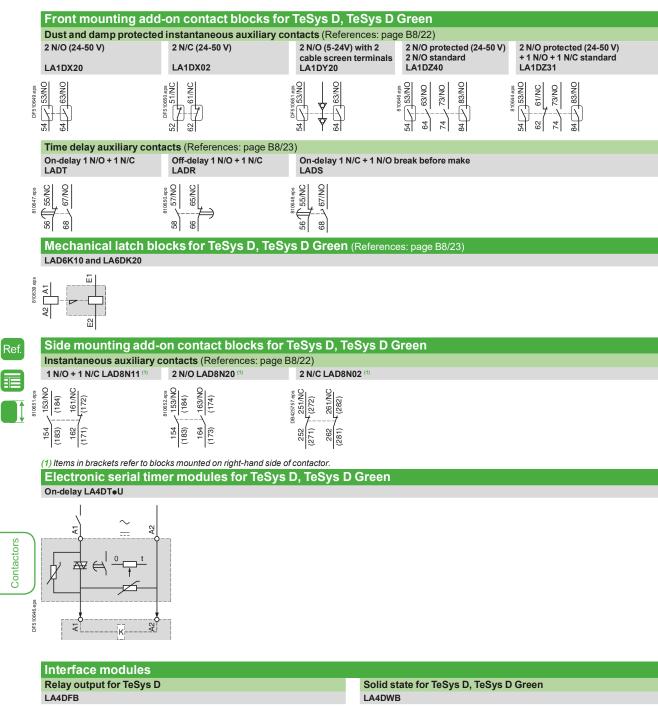
References: pages B8/8 to B8/26

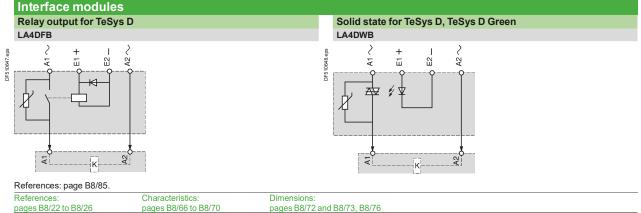
Characteristics: pages B8/59 to B8/71

Dimensions: pages B8/72 to B8/78

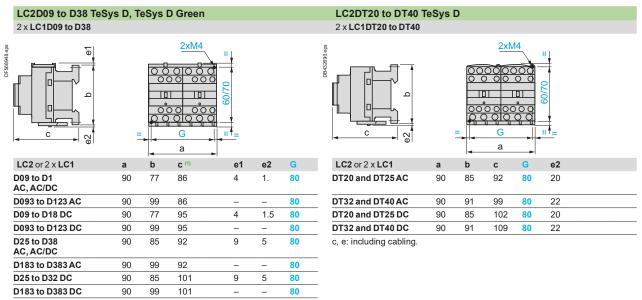
TeSys D Green, TeSys D Contactors

Schemes



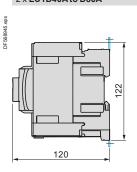


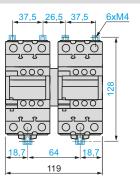
Contactors



e1 and e2: including cabling.

LC2D40A to D80A for TeSys D, TeSys D Green 2xLC1D40Ato D80A





Ref.



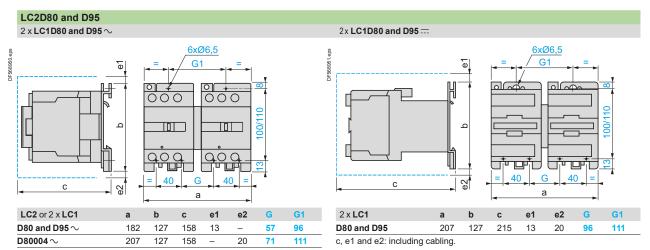


Contactors

⁽¹⁾ With safety cover, without add-on block.

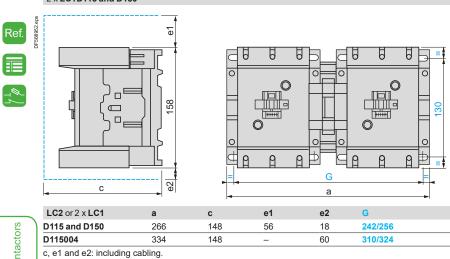
TeSys D Reversing and changeover contactors

Dimensions

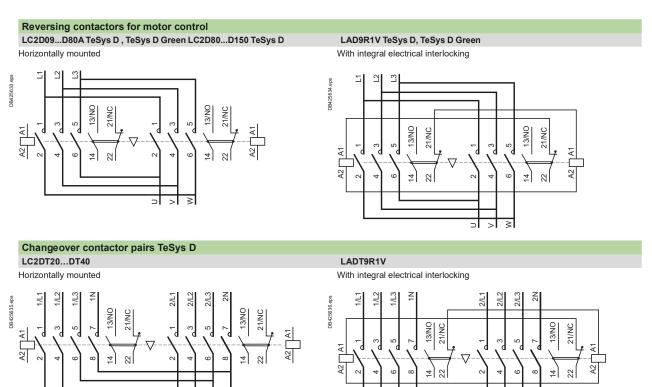


c, e1 and e2: including cabling.





Schemes

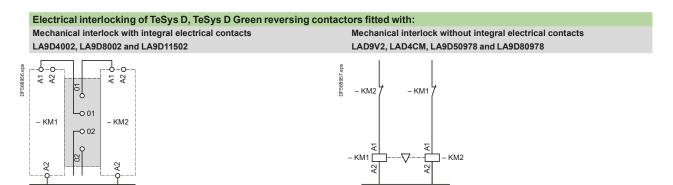






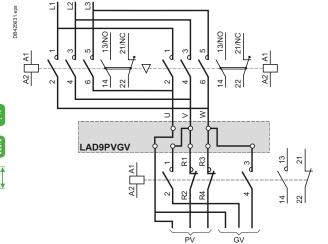
TeSys D Green, TeSys D Reversing and changeover contactors

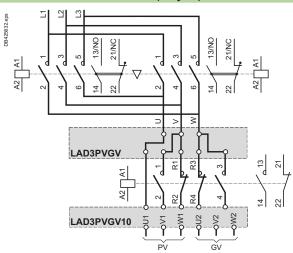
Schemes



Low speed - High speed cabling kit, screw clamp terminals for LC1D09... D38 contactors (TeSys D, TeSys D Green)

Low speed - High speed cabling kit, spring terminals for LC1D09... D38 contactors (TeSys D)





Contactors

TeSys D Contactors for 3-phase capacitor bank switching

Dimensions and scheme

