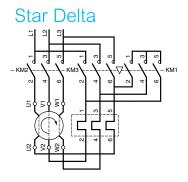
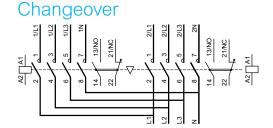
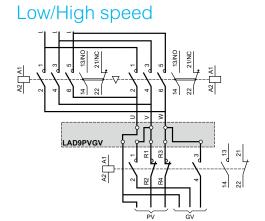


Pre-fabricated assemblies, mounting kits and electrical links make your motor starter assemblies smarter to design, mount and maintain with limited risk of errors.







TeSys K, D, F contactor-based solutions

Challenging choice and solutions

Selecting the most appropriate components can be a challenge for designers, especially when they have to deal with strong control panel compactness constraints and assembling time optimization. This guide helps you to choose a TeSys solution, whether fully precabled starters, monoblock assemblies, or contactors with assembling kits.

Fully pre cabled solutions





Monoblock assemblies







Components & kits



Find in this guide:

- $\bullet \ product \ selection \ tables \ per \ application \ (Reverser, Speed \ selection, Star-Delta, Changeover) \\$
- product technical data, commercial references, tips, for your specific designs.



TeSys K, D, F contactor-based solutions

Recommended designs are based on TeSys K, D or F contactors. The choice of the type will be done according to the project constraints: motor power, panel compactness, required connection mode.

Pre-fabricate assemblies: 2 or 3 contactors are mechanically and electrically pre-assembled in our factories, for simpler choice and time saving.

Components for custom-design: selections of coordinated contactors, accessories, kits, electrical links are recommended for several motor powers and various functions. Assembly is done by customer.

Pre-cabled assemblies

OR Components for custom-design

TeSys K









TeSys D



Motors from 4 to 75 kW





TeSys F



Motors from 55 to 560 kW





Summary

Part A	A: solutions per application	. р. 7
	Motor reversers Monoblock reversers & selected components for custom design based on TeSys K, D, F	p. 7
	Motor reversers + Low/High speed control Selected components for custom design based on TeSys D	p. 21
	Motor Star-Delta starters Fully prewired Star Delta starters & selected components for custom design based on TeSys K, D, F	p. 25
	Source and load changeover Monoblock changeovers & selected components for custom design based on TeSys K, D , F	p. 35
Part E	3: contactors & accessories	. p. 43
	TeSys K	p. 43
	TeSys D	p. 48
	TeSys F	p. 60
	Products reference index	p. 71

Δ

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6



Part A: solutions per application



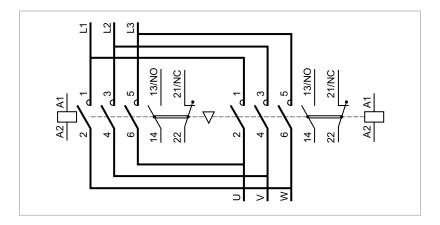
Α

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2

3

Principle



The motor reversing action is obtained by permutation of 2 power phases. The motor reverser is composed of 2 identical 3 pole contactors. Each one can withstand the full motor current.

They are mechanically and electrically interlocked to prevent simultaneous closing which would cause a short circuit.

X1 open - X2 open	>	U = V = W = no voltage	>	Motor stopped
X1 closed - X2 open	>	U = L2; V = L1; W = L3	>	Rotation A
X1 open - X2 closed	>	U = L1; V = L2; W = L3	>	Rotation B
X1 closed - X2 closed	>	not possible		

Notes

Mechanical + electrical contactor interlocking should always be prefered for improved reliability. Choose contactors with NC auxiliary contacts to achieve electrical interlocking.



Conditions for safe switching from 1 direction of rotation to another are:

- intermediate period of no power on motor terminals
- motor full stop except when reverser is used for motor plug braking
 In order to avoid huge mechanical constraints and overcurrents.



2.2 to 7.5 kW (400 V) - TeSys K

Reversers - screw clamp terminals, spring terminals

Pre-assembled

TeSys K blocks of 2 contactors

- DIN rail mounting
- built-in auxiliary contacts
- built-in mechanical interlock
- · AC or DC coil control
- screw clamp terminals or spring terminals
- pre-assembled power links on screw-clamp type assembly only.

LC2K•••• Screw clamp terminals



LC2K••3••
Spring terminals



LC2K0910B7 LC2K0913P7

Spring-type assembly: power links to be provided and wired by customer.

Auxiliary Assembly references rating contacts (A) (A) NO NC NO NC Screw clamp terminals Spring terminals* AC coil control Standard Silent Standard Silent contactors contactors contactors contactors LC2K0610 •• LC2K06103B7 or P7 (2) 3 LC2K0601•• LC2K06013B7 or P7⁽²⁾ 1 9 20(*) 3 LC2K0910 ·· LC2K09103B7 or P7⁽²⁾ 3 LC2K0901•• LC2K09013B7 or P7⁽²⁾ 1 12 20(*) LC2K1210•• LC2K12103B7 or P7⁽²⁾ 3 (1) LC2K1201•• LC2K12013B7 or P7 (2) 3 1 16 3 LC2K1610 •• 3 LC2K1601 •• DC coil control Standard Low Standard Low consumption consumption contactors contactors LP5K0610BW3 (2) LP2K06103BD (2) LP5K06103BW3 (2) LP2K0610 ** LP2K06013BD (2) LP5K06013BW3 (2) 3 1 LP2K0601 •• LP5K0601BW3 (2) 20(*) 3 LP2K0910 •• LP5K0910BW3 (2) LP2K09103BD (2) LP5K09103BW3 (2) LP2K09013BD (2) LP5K09013BW3 (2) 3 LP2K0901 •• LP5K0901BW3⁽²⁾ 12 20(*) LP5K12103BW3 (2) 3 LP2K1210 •• LP5K1210BW3⁽²⁾ LP2K12103BD (2) LP2K12013BD (2) LP5K12013BW3 (2) LP2K1201•• LP5K1201BW3 (2)

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 44).

^(*) AC1 rating limited to 10 A with spring terminals (max. cable: 1.5 mm²)

⁽¹⁾ Possible preassembled reversing contactors: please, contact your local sales representative

⁽²⁾ For other voltage code, please contact your local sales representative

2.2 to 7.5 kW (400 V) - TeSys K

Reversers - Faston terminals, solder pins

Pre-assembled

TeSys K blocks of 2 contactors

- DIN rail mounting
- built-in auxiliary contacts
- built-in mechanical interlock
- AC or DC coil control
- faston or solder pin terminals.

LC2K••7•• Faston terminals



LC2K09107M7

Power links to be provided and wired by customer.

LC2K••5•• Solder pin terminals



LC2K09105B7

AC-3 rating	AC-1 rating	Pow		Auxi cont		Assembly references				Assembly references		
(A)	(A)	NO	NC	NO	NC	Faston terminals		Solder pin terminal	S			
AC coil	control							Standard contactors	Silent contactors			
6	-	3	-	1	-	LC2K06107••	(1)	LC2K06105**	LC8K06105B7 (2)			
		3	-	-	1	LC2K06017••	(1)	LC2K06015**	LC8K06015B7 (2)			
9	20	3	-	1	-	LC2K09107••	(1)	LC2K09105••	LC8K09105B7 (2)			
		3	-	-	1	LC2K09017••	(1)	LC2K09015••	LC8K09015B7 (2)			
12	20	3	-	1	-	LC2K12107••	(1)	(1)	(1)			
		3	-	-	1	LC2K12017••	(1)	(1)	(1)			
16	-	3	-	1	-	(1)	-	(1)	-			
		3	-	-	1	(1)	-	(1)	-			
DC coil	control					Standard contactors	Low consumption	Standard contactors	Low consumption			
6	-	3	-	1	-	LP2K06107BD (2)	(1)	LP2K06105BD (2)	LP5K06105BW3 (2)			
		3	-	-	1	LP2K06017BD (2)	(1)	LP2K06015BD (2)	LP5K06015BW3 (2)			
9	20	3	-	1	-	LP2K09107BD (2)	(1)	LP2K09105BD (2)	LP5K09105BW3 (2)			
		3	-	-	1	LP2K09017BD (2)	(1)	LP2K09015BD (2)	LP5K09015BW3 (2)			
12	20	3	-	1	-	(1)	(1)	(1)	(1)			
		3	-	-	1	(1)	(1)	(1)	(1)			

 $^{(1) \} Possible \ preassembled \ reversing \ contactors: \ please, \ contact \ your \ local \ sales \ representative$

⁽²⁾ For other voltage code, please contact your local sales representative

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 44).



Reversers - screw clamp terminals

Pre-assembled

TeSys D contactor blocks with interlocking device, built-in auxiliary contacts.

Blocks of 2 TeSys D contactors

- DIN rail or plate mounting
- built-in auxiliary contacts
- built-in mechanical interlock
- interference filter
- prewired power links
- AC or DC coil control (depending on models)
- screw clamp terminals.

LC2D screw-clamp terminals



LC2D12••

LC2D115••

LC2D••A EverLink® BTR screw clamp terminals



LC2D65A••

AC-3 rating (A)	Product references
9	LC2D09•• (1)
12	LC2D12•• (1)
18	LC2D18•• (1)
25	LC2D25•• (1)
32	LC2D32•• (1)
38	LC2D38•• (1)
40	LC2D40A•• (2) (4)
50	LC2D50A•• (2) (4)
65	LC2D65A•• (2) (4)
80	LC2D80•• (2)
95	LC2D95•• (2)
115	LC2D115•• (3)
150	LC2D150•• (3)

As a complementary, electrical interlock can be achieved with the built in auxiliary contacts.

- (1) Mechanical interlock only; add V for electro-mechanical interlock (eg.: LC2D09P7V)
- (2) With mechanical interlock only
- (3) With electromechanical interlock
- (4) Power connection by EverLink® BTR screw clamp terminals and control by screw clamp terminals Power links to be added by customer (see components next page).

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).



LE2D09P7

Alternative solution

Enclosed Direct-On-Line Reversing starters

- without isolating device 6...65 A : ref. LE2K••••, LE2D•••
- with isolating device (fuses) 6...35 A: ref. LE8K••••, LE8D•••

Please refer to TeSys catalogue ref. MKTED210011 - chapter A1.

Reversers - screw clamp terminals

Kits for customer assembly

Power links, electrical interlockings, mechanical interlockings for TeSys D contactors.

Kits for 9 to 38 A



LAD9R1

Assembling kit comprising:

- LAD9V5 parallel link
- LAD9V6 inversing link
- LAD9V2 mechanical interlock
- Assembling staple



LAD9R1V

Assembling kit comprising:

- LAD9V5 parallel link
- LAD9V6 inversing link
- LAD9V2 mechanical interlock
- LAD9V1 electrical interlock
- · Assembling staple

Kit for 40 to 65 A



LAD9R3

Assembling kit comprising:

- LA9D65A6 parallel link
- LA9D65A9 inverser link
- LAD4CM mechanical interlock

Components for 80, 95 A



LA9D8069

Parallel + inversing links for 80, 95 A



LA9D4002

AC electro-mechanical interlocking for 80 A



LA9D8002

DC electro-mechanical interlocking for 80 A



LA9D50978

AC mechanical interlocking for 95 A



LA9D80978

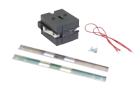
DC mechanical interlocking for 95 A

Components for 115, 150 A



LA9D11569

Parallel + inversing links for 115, 150 A



LA9D11502

Set of electro-mechanical interlocking components for 115, 150 A

Characteristics	Bill of material (ontactors to be completed with)				
AC-3 rating (A)	Contactors	Set of electrical power links	Mechanical interlocking	Electrical interlocking		
9	2x LC1D09**	- Kits: LAD9R1: power links + mechanical interlock or LAD9R1V: power link + mechanical interlock + electrical interlock (white power links)				
12	2x LC1D12••					
18	2x LC1D18••					
25	2x LC1D25••					
32	2x LC1D32••					
38	2x LC1D38••	_				
10	2x LC1D40A•• ⁽¹⁾					
50	2x LC1D50A•• ⁽¹⁾	Kit: - LAD9R3: power links + mechanica	d intorlock	Customer cabling		
65	2x LC1D65A•• ⁽¹⁾	- LADSING. power links + mechanica	II			
30	2x LC1D80••	D	Mechanical + electrical interlocks: I	A9D4002 for AC - LA9D8002 for DC		
95	2x LC1D95••	Power links: LA9D8069	Mechanical interlocks: LA9D50978 for AC / LA9D80978 for DC			
115	2x LC1D115••	D		A0D44500		
150	2x LC1D150••	Power links: LA9D11569	Mechanical + electrical interlocks: LA9D11502			

(1) Power connection by $\mathsf{EverLink}^{\scriptscriptstyle{(0)}}\,\mathsf{BTR}\,\mathsf{screw}\,\mathsf{connectors}$ and control by $\mathsf{screw}\,\mathsf{clamp}\,\mathsf{terminals}$

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Reversers - screw terminals for lugs or bars

Pre-assembled

Blocks of 2 TeSys D contactors

- DIN rail or plate mounting
- built-in auxiliary contacts
- mechanical and/or electrical interlock
- interference filter
- AC or DC coil control
- screw terminals for lugs or bars.

Power links to be added by customer (see components next page).

LC2D••5•• screw terminals for lugs or bars





LC2D326••

LC2D1156••

AC-3 rating (A)	Product referwences
9	LC2D096•• (1)
12	LC2D126•• (1)
18	LC2D186•• (1)
25	LC2D256•• (1)
32	LC2D326•• (1)
38	LC2D386•• (1)
40	-
50	-
65	-
80	-
95	-
115	LC2D1156•• (2)
150	LC2D1506•• (2)

⁽¹⁾ Mechanical interlock only

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

⁽²⁾ Electromechanical interlock

Reversers - screw terminals for lugs or bars

Components for customer assembly

Power links, electrical interlockings, mechanical interlocks for TeSys D contactors.

Sets of power links for LC1D096 •• D386 contactors



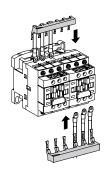
LAD9V10

Upstream parallel power link

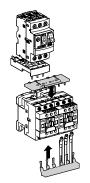


_AD9V11

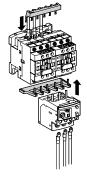
Downstream inversing power link



LAD9VP4 = LAD9V10 + LAD9V11



LAD9VP1 = LAD9V5 + LAD9V11



LAD9VP2 = LAD9V10 + LAD9V6



LAD9VP3 = LAD9V5 + LAD9V6



LAD9V2 Mechanical interlock with assembling staples



LAD4CM Mechanical interlock



LA9D4002 AC - electro-mechanical interlocking for 80 -95 A



LA9D8002 DC - electro-mechanical interlocking for 80 – 95 A



LA9D11502 Set of electro-mechanical interlocking components

Characteristics	Bill of material (co	Bill of material (contactors to be completed with)				
AC-3 rating (A)	Contactors	Set of power links	Mechanical interlocking	Electrical interlocking		
9	2x LC1D096••					
12	2x LC1D126••					
18	2x LC1D186••	Depending on customer configuration	LA DOVO	Customer cabling		
25	2x LC1D256••	(see diagrams above): LAD9VP1 / LAD9VP2 / LAD9VP3 / LAD9VP4	LAD9V2			
32	2x LC1D326••					
38	2x LC1D386••					
40	2x LC1D40A6**					
50	2x LC1D50A6**		LAD4CM	Customer cabling		
65	2x LC1D65A6**					
80	2x LC1D806**	Customer cabling	LA9D4002 for AC - LAD8002 for DC			
95	2x LC1D956••					
115	2x LC1D1156••		LA9D11502			
150	2x LC1D1506••					

Reversers - spring terminals

Pre-assembled

Blocks of 2 TeSys D contactors

- DIN rail mounting
- built-in auxiliary contacts
- · mechanical interlock
- interference filter
- AC or DC coil control
- spring terminals.

Power links to be added by customer (see components next page).

LC2D••3•• screw terminals for lugs or bars



LC2D093••

AC-3 rating (A)	Product references
9	LC2D093•• ⁽¹⁾
12	LC2D123•• ⁽¹⁾
18	LC2D183•• ⁽¹⁾
25	LC2D253••(1)
32	LC2D323••(1)
40	LC2D40A3••(2)
50	LC2D50A3••(2)
65	LC2D65A3•• ⁽²⁾

16 Life Is On Schneider

 ⁽¹⁾ Power and control by spring terminals
 (2) Power by EverLink® terminals, control by spring terminals

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Reversers - spring terminals

Components for customer assembly

Power links, electrical interlockings, mechanical interlocks for TeSys D contactors.

Power bus bars for LC1D••3•• contactors with spring terminals

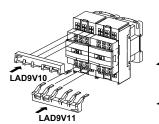


LAD9V10

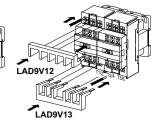
Upstream parallel power link



Upstream parallel power link for spring terminals



LADV10, LADV11 allow use of LAD341 power connection module, for quick association with a spring terminal circuit breaker



LADV12, LADV13 for wired connection to circuit breaker



LAD9V11

Downstream inversing power link



LAD9V13

Downstream inversing power link for spring terminals



LAD341

Power connection module between contactor /circuit breaker



LAD341

LAD9V2

Mechanical interlock with assembling staples



LAD4CM

Mechanical interlock

Characteristics Bill of material (contactors to be completed with)					
AC-3 rating (A)	Contactors	Set of power connections	Mechanical interlocking	Electrical interlocking	
9	2x LC1D093•• (3)			Customer cabling	
12	2x LC1D123•• (3)	Upstream: LAD9V10 or LAD9V12 (1)			
8	2x LC1D183•• (3)		LAD9V2		
25	2x LC1D253•• (3)	Downstream: LAD9V11 or LAD9V13 (2)			
32	2x LC1D323•• (3)				
.0	2x LC1D40A3•• (4)			Customer cabling	
60	2x LC1D50A3•• (4)	Customer cabling	LAD4CM		
\$5	2x LC1D65A3•• (4)				

- (1) LAD9V10 + LAD9V11 configuration can be used in every case
- (2) LAD9V12 + LAD9V13 configuration cannot be used with a LAD341 which ensures a quick link between contactor / GV2 circuit breaker
- (3) Power and control by spring terminals
- (4) Power by EverLink terminals, control by spring terminals.

Reversers - Faston terminals

Pre-assembled

Blocks of 2 TeSys D contactors

- DIN rail mounting
- built-in auxiliary contacts
- · mechanical interlock
- interference filter
- AC or DC coil control
- · faston terminals.

Power links to be added by customer.

LC2D •• 9 ••



LC2D099••

AC-3 rating (A)	Product references
9	LC2D099••
12	LC2D129••

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Components for customer assembly

TeSys D contactors, mechanical interlockings.



LAD9V2

Mechanical interlock with assembling staples

Characteristics	Bill of material (contactors to be completed with)			
AC-3 rating (A)	Contactors	Mechanical interlocking	Electrical interlocking	Set of power connections
9	2x LC1D099••	- LAD9V2	Customer cabling	Customer cabling
12	2x LC1D129**	LAU9VZ		

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Reversers - screw type terminals for lugs or bars

Pre-assembled

Blocks of 2 TeSys F contactors:

- with mounting accessories
- mechanical interlock
- prewired power links.

2 contactor coils, 2 contact blocks (LADN.1) for electrical interlocking, to be ordered separately by customer (refer to TeSys catalogue ref. MKTED210011 – chapter B9).

LC2F···



AC-3 rating (A)	Product references
115	LC2F115
150	LC2F150
185	LC2F185
225	LC2F225
265	LC2F265

LC2F115

Components for customer horizontal assemblies

TeSys F contactors, power links, mechanical interlocks.



Horizontal assembly: 3-pole contactors with mechanical interlock



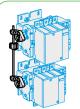
LA9FJ970 Mechanical interlocks



LA9FJ976 6 power links

Characteristics	Bill of material (contactors to be completed with)					
AC-3 rating (A)	Contactors	Set of power connections	Mechanical interlocking			
115	2x LC1F115	LA9FF976	LA9FF970			
150	2x LC1F150	LA9F15076	LA9FF970			
185	2x LC1F185	LA9FG976	LA9FG970			
225	2x LC1F225	LA9F22576	LA9FG970			
265	2x LC1F265	LA9FH976	LA9FJ970			
330	2x LC1F330	LA9FJ976	LA9FJ970			
400	2x LC1F400	LA9FJ976	LA9FJ970			
500	2x LC1F500	LA9FK976	LA9FJ970			
630	2x LC1F630	LA9FL976	LA9FL970			
800	2x LC1F800	LA9FL976	LA9FL970			

To be ordered as a necessary complement (refer to TeSys catalogue ref. MKTED210011 – chapter B9): 2 contactor coils (AC or DC) - 2 LADN.1 contact blocks for electrical interlocking.



Vertical contactor assembly is also possible. See page 69.

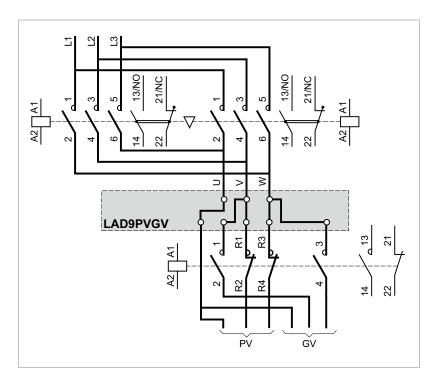
All power connections are to be made by customer.







Principle



The motor reversing action is obtained by permutation of 2 power phases. This function is provided by KM1, KM2.

The 2-speed motor has 2 sets coils: U1-V1-W1 and U2-V2-W2. Each one is dedicated to a speed.

1 phase is permanently connected to both W1 and W2.

KM3 is dedicated to Low/High speed control: 2 NO + 2 NC contacts are used to switch the remaining phases to U1/V1 and U2/V2.

Note

Mechanical + electrical contactor interlocking should always be prefered for improved reliability.



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4 to 11 kW (400 V) - TeSys D

Reverser/controller - screw clamp terminals

Kit for customer assembly

A dedicated kit + 3 contactors allow customer to build a complete motor reversing, Low / High speed assembly.

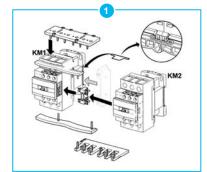
Kit LAD9PVGV

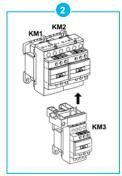
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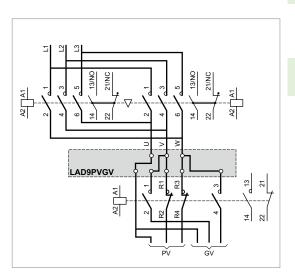
- power links + electrical / mechanical interlock, full content of LAD9R1V reversing kit
- KM2 / KM3 interconnection block.











Туре	Bill of material		
	KM1 - KM2 contactors	KM3 contactor	Reversing, Low/High speed assembling kit
AC-3 rating (A)	3P reversing contactors	4P contactors (2NO, 2NC)	
9	2x LC1D09••	LC1D098••	LAD9PVGV
12	2x LC1D12••	LC1D128••	
18	2x LC1D18••	LC1D188••	
25	2x LC1D25••	LC1D258••	

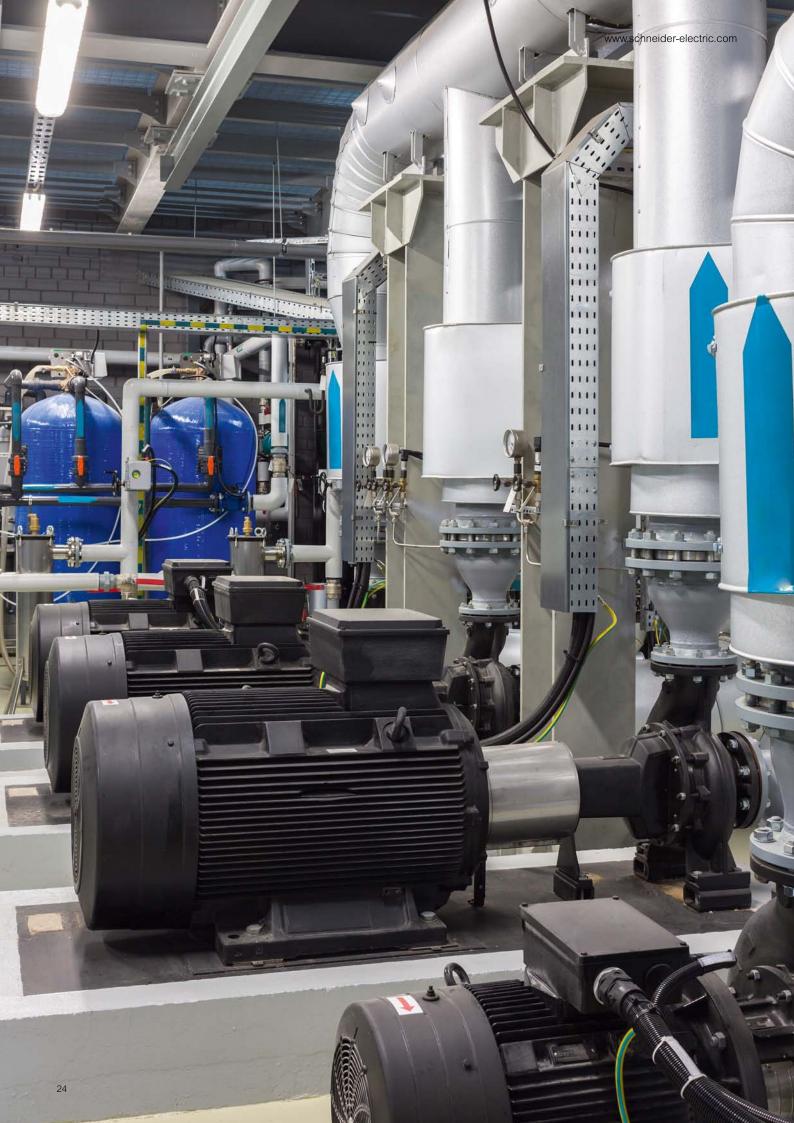
Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption other codes, see page 48).

Control Panel - Technical Guide

Life Is On

Schneider

Flectric





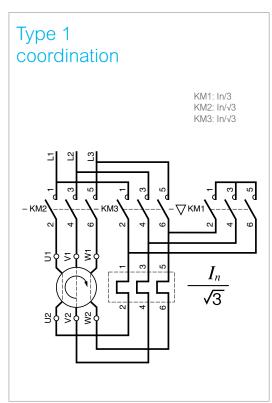
Principle

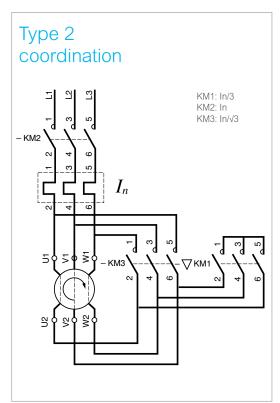
The motor Star-Delta starters are used with high torque asynchronous motors for reducing starting inrush current. The motor is started with Star-coupled windings for a few seconds. The windings are under reduced voltage. After a delay, the coupling is switched to Delta to get a torque with reasonable current. Each winding then is under full voltage.

One line contactor (KM2) is used for main power switching, two are used for coupling windings from Star (KM1) to Delta (KM3). Line and Delta contactors are usually of the same rating. A time delay contact block provides the KM1/KM3 control. A separate thermal overload relay can be wired.

A reverser (pair of contactors) can be wired upstream with the appropriate interlocking circuit.

Star delta, with separate thermal relay





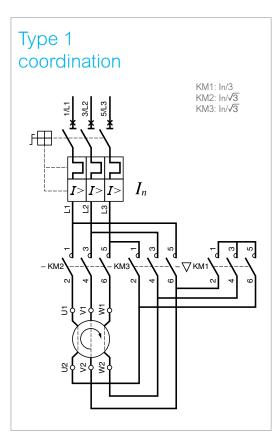
Note

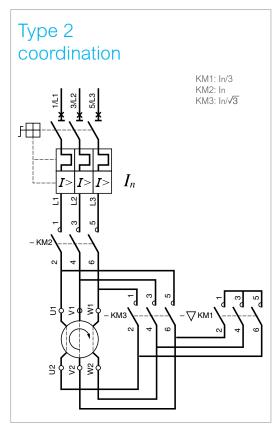
Mechanical + electrical contactor interlocking should always be prefered for improved reliability.



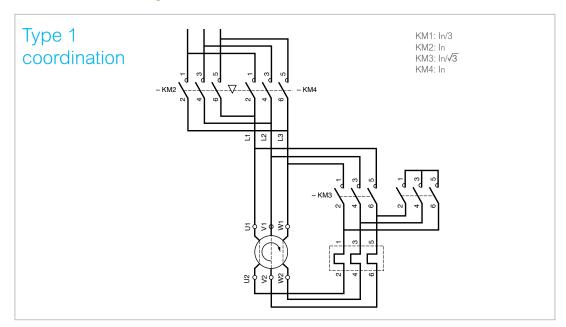
Principle

Star delta, with thermal magnetic circuit breaker





Star delta + reversing, with separate thermal relay



5.5 to 7.5 kW - **TeSys K**

Star-Delta starters - on DIN rail

Pre-assembled, pre-wired

TeSys K blocks of contactors on DIN rail (star and delta contactors cannot be separeted)

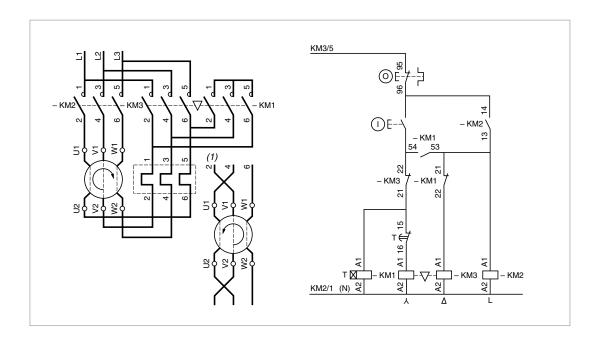
- built-in mechanical interlock
- timer (30" max. starting time)
- built-in auxiliary contacts
- AC coil control
- screw clamp terminals.

LC3K••



3P 400 V motor rating	Contactor	types	Assembly references	
(kW)	Line	Delta	Star	
5.5	LC1K06••	LC1K06**	LC1K06••	LC3K06••
7.5	LC1K09••	LC1K09••	LC1K09••	LC3K09••

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 44).



Star-Delta starters - on DIN rail

Pre-assembled, pre-wired

TeSys D blocks of contactors on DIN rail or plate

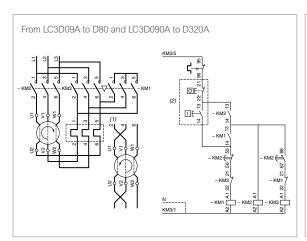
- with ou without mechanical interlock (depending on model)
- timer (30" max. starting time)
- built-in auxiliary contacts
- AC coil control
- screw clamp terminals.

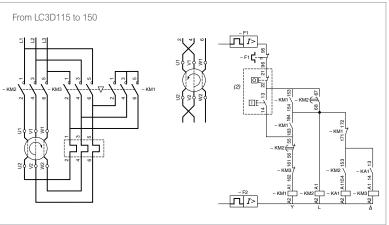
LC3D••



3P 400 V motor rating	Contactor	types		Mechanical interlock included	Assembly references		
(kW)	Line	Delta	Star		Plate mounted	Rail mounted	
7.5	LC1D09	LC1D09	LC1D09	Yes	LC3D09A••	LC3D090A••	
11	LC1D12	LC1D12	LC1D09	Yes	LC3D12A••	LC3D120A••	
18.5	LC1D18	LC1D18	LC1D09	Yes	LC3D18A••	LC3D180A••	
25	LC1D32	LC1D32	LC1D32	Yes	LC3D32A··	LC3D320A••	
75	LC1D80	LC1D80	LC1D50	No	LC3D80••	-	
		LC.	LC1D80	Yes	LC3D80••A64	-	
110	LC1D115	LC1D115	LC1D80	No	LC3D115••	-	
		LC1D115	Yes	LC3D115••A64	-		
132	32 LC1D150	ID150 LC1D150	LC1D115	No	LC3D150••	-	
			LC1D150	Yes	LC3D150••A64	-	

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).





Life Is On Schneider

Star-Delta starters

Kits for customer assemblies

TeSys D contactors, kits with power links, electrical interlockings, mechanical interlockings, time delays.







LAD91217 LAD93218











LAD9SD3



LA9D8017 LA9D8018

* Video tutorial: please scan QR code







LA9D15017



LA9D11502

3P 400 V	Bill of material								
motor rating	Contactors	3		Kits (with or without int Separate interlocking o		es)			
(kW)	Line	Delta	Star	Electrical power links	Interlocking of	devices			
				Parellel / Reverse / Star	Mechanical	Electrical			
7.5	LC1D09	LC1D09	LC1D09	LAD91218 / LAD91217 / I	LAD912GV (1) (2)	'			
11	LC1D12	LC1D12	LC1D09	LAD91218 / LAD91217 /	LAD912GV (1) (2)				
	LC1D18	LC1D18	LC1D12						
18.5	LC1D18	LC1D12	LC1D09	LAD91218 / LAD91217 /	LAD912GV (1) (2)				
		LC1D18	LC1D09						
			LC1D12						
			LC1D18						
	LC1D25	LC1D25	LC1D09	LAD93218 / LAD93217 (3)					
			LC1D12						
			LC1D18						
			LC1D25	LAD91218 / LAD91217 ⁽¹⁾					
25	LC1D32	LC1D32	LC1D18	LAD93218 / LAD93217 (3)					
			LC1D25	LAD91218 / LAD91217 ⁽¹⁾					
			LC1D32						
	LC1D38	LC1D38	LC1D38	LAD91218 / LAD91217					
	LC1D40A	LC1D40A	LC1D40A	LAD9SD3		Customer cabling			
	LC1D50A	LC1D50A	LC1D40A	7					
	İ		LC1D50A	7					
	LC1D65A	LC1D65A	LC1D40A	7					
			LC1D50A						
			LC1D65A						
75	LC1D80	LC1D80	LC1D50	LA9D8017	-	Customer cabling			
			LC1D65						
			LC1D80	LA9D8018		Customer cabling			
	LC1D95	LC1D95	LC1D80			Customer cabling			
			LC1D95						
110	LC1D115	LC1D115	LC1D80	LA9D11517	-	Customer cabling			
			LC1D95			, ,			
			LC1D115	LA9D15017	LA9D11502	·			
132	LC1D150	LC1D150	LC1D115	LA9D15017	LA9D11502				
			LC1D150	7					

⁽¹⁾ LAD91218 if time delay not needed, LAD91217 if time delay needed (both kits to compose a block of 3 contactors)

⁽²⁾ LAD912GV if time delay needed (this kit to compose a block of 1 GV2 circuit breaker + 3 contactors)

 $^{(3)\} LAD93218\ if\ time\ delay\ not\ needed, LAD93217\ if\ time\ delay\ needed. (both\ kits\ to\ compose\ a\ block\ of\ 3\ contactors)$

Star-Delta starters

Kits composition

Kit composition >		Mechanical interlocking	Electrical interlocking	Raising adaptor, to align contactor front face	Power links			Time delay auxiliary contact block	Hardware to fix contactor on mounting plate	To be ordered separately
					Short circuit	Parallel connection	Reverser connection			
LAD91217	>	LAD9V2	LAD9V1	-	LAD9P3	LAD9V5	LAD9V6	LADS2	2 x LAD9V17	LA9D12974
LAD91218	>	LAD9V2	LAD9V1	-	LAD9P3	LAD9V5	LAD9V6	-	2 x LAD9V17	LA9D12974
LAD93217	>	LAD9V2	LAD9V1	LAD9V16	LAD9P3	LAD9V5	Yes	LADS2	2 x LAD9V17	LA9D32974
LAD93218	>	LAD9V2	LAD9V1	LAD9V16	LAD9P3	LAD9V5	Yes	-	2 x LAD9V17	LA9D32974
LAD9SD3	>	LAD4CM	-	-	LAD9SD3S	LA9D65A6	LA9D65A9	LADS2	-	-
LA9D5017	>	-	-	-	Yes	Yes	Yes	LADS2	Yes	LA9D40973
LA9D5018	>	LA9D50978	-	-	Yes	Yes	Yes	LADS2	Yes	LA9D40973
LA9D8017	>	-	-	-	Yes	Yes	Yes	LADS2	Yes	LA9D80973
LA9D8018	>	Yes	-	-	LA9D8069		Yes	LADS2	Yes	-
LA9D11517 > Set of power links							-			
LA9D15017	LA9D15017 > Set of power links							LA9D11502		



Life Is On Schneider

Star-Delta starters - on chassis for lugs or bars

Pre-assembled, pre-wired

TeSys F contactors on DIN rail chassis

- with (A64 version) or without mechanical interlock
- timer (20 or 30" (A64 version) max. starting time)
- AC coil control
- screw type terminals for bars, lugs, cables.

LC3F115... 225



LC3F265... 400





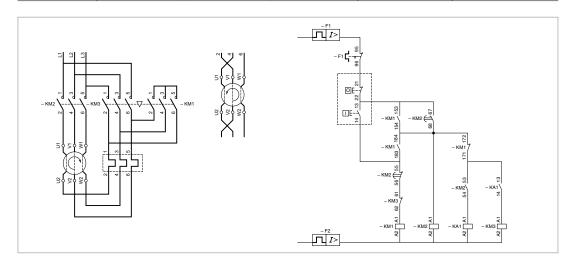
WARNING: Remember that electrical AND mechanical interlocking should always be preferred to ensure assembly reliability.



WARNING: When no mechanical interlock is available, beware to add an electrical interlock with sufficient time delay to avoid short-circuit.

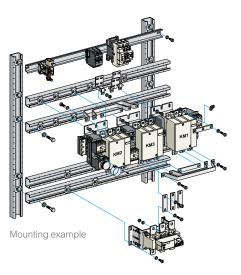
Motor Star-Delta starters pre-assembled on chassis

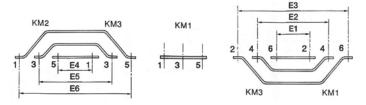
3P 400 V motor rating	Contactor ty	pes		Mechanical interlock included	Assembly references
(kW)	Line	Delta	Star		
85	LC1F115	LC1F115	LC1F80	No	LC3F115••
135	LC1F150	LC1F150	LC1F115	No	LC3F150••
160	LC1F185	LC1F185	LC1F150	No	LC3F185••
			LC1F185	Yes	LC3F185••A64
200	LC1F225	LC1F225	LC1F185	No	LC3F225••
			LC1F225	Yes	LC3F225••A64
220	LC1F265	LC1F265	LC1F185	No	LC3F265••
			LC1F265	Yes	LC3F265••A64
280	LC1F330	LC1F330	LC1F265	No	LC3F330••
			LC1F330	Yes	LC3F330••A64
315	LC1F400	LC1F400	LC1F265	No	LC3F400••
			LC1F400	Yes	LC3F400••A64



Star-Delta starters - screw terminals for lugs or bars

Components for customer assemblies





Power links dimensions for 3 identical contactors							
3 x LC1-		E1 (mm)	E2 (mm)	E3 (mm)	E4 (mm)	E5 (mm)	E6 (mm)
F115	LA9-FF600	77	151	225	112	186	260
F150	LA9-F15000	71	151	231	102	182	262
F185	LA9-FG600	78	158	238	102	182	262
F225	LA9-F22500	62	158	254	86	182	278
F265	LA9-FH600	100	196	292	120	216	312
F330/400	LA9-FJ600	107	203	299	127	223	319
F500	LA9-FK600	112	222	332	132	242	352
F630	LA9-FL600	137	297	457	157	317	477



WARNING: Remember that electrical AND mechanical interlocking should always be preferred to ensure assembly reliability.



WARNING:

When no mechanical interlock is available, beware to add an electrical interlock with sufficient time delay to avoid short-circuit.

Contactor types			Mechanical interlock included	Mechanical horizontal interlock	
Line	Delta	Star			
LC1F115	LC1F115	LC1D80	LA9FF610	-	
		LC1F115	LA9FF600	LA9FF970	
LC1F150	LC1F150	LC1F115	LA9FG610	LA9FF970	
		LC1F150	LA9F15000	LA9FF970	
LC1F185	LC1F185	LC1F150	LA9F18517	-	
		LC1F150	LA9FG610	-	
		LC1F185	LA9FG600	LA9FG970	
LC1F225	C1F225 LC1F225	LC1F185	LA9F22510	LA9FG970	
		LC1F225	LA9F22500	LA9FG970	
LC1F265	LC1F265	LC1F185	LA9FH610	-	
		LC1F265	LA9FH600	LA9FJ970	
LC1F330	LC1F330	LC1F265	LA9FJ610	LA9FJ970	
		LC1F330	LA9FJ600	LA9FJ970	
LC1F400 LC1F400		LC1F265	LA9FJ610	-	
		LC1F330	LA9FJ600	-	
		LC1F400	LA9FJ600	LA9FJ970	
LC1F500	LC1F500	LC1F500	LA9FK600	LA9FJ970	
LC1F630	LC1F630	LC1F630	LA9FL600	LA9FJ970	



LA9FF610



LA9F**F**600, **G**, **H**, **K**,... LA9F**L**600 LA9F15000



LA9FG610



LA9F22510, LA9F**H**610, LA9**F**J610

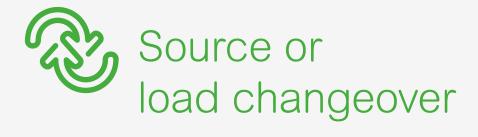


LA9F18517

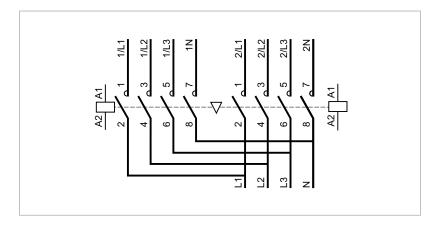


LA9FF970..LA9FL970 Mechanical horizontal interlocks





Principle



The changeover contactor assembly can be used for alternatingly switching a load circuit from a main to a secondary source. Loads permutation on a single source can also be achieved with the same assembly.

The changeover is composed of 2 identical 4-pole contactors when each of them must withstand the full load current. They are mechanically and electrically interlocked to prevent from simultaneous closing.

Note

Mechanical + electrical contactor interlocking should always be prefered for improved reliability.



Up to 20 A AC-1 - TeSys K

4-pole changeovers - screw clamp, spring terminals, Faston or solder pins

Pre-assembled

Blocks of TeSys K contactors on DIN rail (they cannot be separated)

- 4 NO power poles (AC-1 applications only)
- built-in mechanical interlock (LC2K contactor blocks only)
- AC or DC coil control
- · standard or silent contactors
- screw clamp with electrical power links, spring, Faston or solder pins terminals.

LC2K••4 LC2K12004P7

222222222



LC2K••43•• LC2K090043E7



LC2K••47•• LC2K120047B7



LC2K••45•• LC2K120045P7



AC-1 rating *	Terminals references										
(A)	Screw clamp with electrical power links		1 0		Faston (1 x 6.35 or 2 x 2.8)		Solder pins for printed circuitboard				
Standard Silent contactor contactor		Silent contactor	Standard contactor	Silent contactor	Standard contactor	Silent contactor	Standard contactor	Silent contactor			
AC coil cor	itrol										
20	LC2K09004••	(1)	(1)	-	(1)	(1)	(1)	(1)			
	LC2K12004••	(1)	(1)	-	(1)	(1)	(1)	(1)			
DC coil cor	ntrol										
20	LP2K09004••	LP5K09004BW3 (2)	(1)	(1)	(1)	(1)	(1)	(1)			
	LP2K12004••	LP5K12004BW3 (2)	(1)	(1)	(1)	(1)	(1)	(1)			

^(*) AC-1 rating limited to 10 A with spring terminals, 1.5 mm² cable max.

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 44).

⁽¹⁾ Factory assembly on request

⁽²⁾ For other voltage code, please contact your local sales representative

20 to 200 A AC-1 - TeSys D

4-pole changeovers - screw clamp terminals

Pre-assembled



LC2DT ••

Delivered with:

- · 4-pole contactors
- · mechanical interlock.

AC-1	Terminals references
(A)	Assemblies with pre-wired electrical links
20	LC2DT20••(1)
25	LC2DT25••(1)
32	LC2DT32•• ⁽¹⁾
40	LC2DT40••(1)
60	-
80	-
125	LC2D80004••(1)(2)
200	LC2D115004••(3)

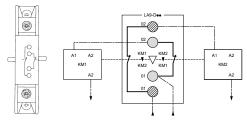
- (1) Mechanical interlock without electrical interlocking
 (2) Order separately 2 auxiliary contact blocks LADN.1 to obtain electrical interlocking between the 2 contactors
- (3) Mechanical interlock with integral, pre-wired electrical interlocking
- Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Components for customer assemblies

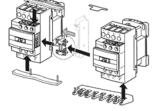
Contactors + dedicated kits for building complete load or source changeover assemblies.

Bill of mate	erial							
AC-1 rating	4 poles (NO) contactors	Kits (with or without interlocking	devices) Separate i	nterlocking devices				
(A)		Electrical power links Interlocking devices						
			Mechanical	Electrical				
20	2x LC1DT20••							
25	2x LC1DT25••	LADT9R1 electrical interlock not inc						
32	2x LC1DT32••	LADT9R1V electrical interlock (whit	e power link) included					
40	2x LC1DT40••	1						
60	2x LC1DT60A••	Customer cabling	LAD4CM	Customer cabling				
80	2x LC1DT80A••	1						
125	2x LC1D80004•• (~ coil) or 2x LP1D80004•• (= coil)	LA9D8070	LA9D4002 (for LC1) LA9D8002 (for LP1)					
200	2x LC1D115004**	LA9D11570	LA9D11502					

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).



LA9D4002 - LA9D8002: interlocking module / wiring diagram



LADT9R1V Mechanical + electrical interlocking kit



Mechanical interlock



LA9D11502 Electro-mechanical interlocking



LA9D4002 Electro-mechanical interlocking for AC



LA9D8002 Electro-mechanical interlocking for DC



LADT9R1



LADT9R1V



LA9D11570



LA9D8070

20 to 200 A AC-1 - TeSys D

4-pole changeovers - screw terminals for lugs spring terminals

Pre-assembled





LC2DT203••

LC2DT256••

LC2DT••

Delivered with:

- 4-pole contactors
- · mechanical interlock.

AC-1	Terminals referer	ices
(A)	Screw for lugs	Spring
20	LC2DT206••(1)	LC2DT203••(1)(2)
25	LC2DT256••(1)	
32	LC2DT326•• ⁽¹⁾	
40	LC2DT406••(1)	

- (1) Mechanical interlock without electrical interlocking
- (2) Power and control by Spring terminals

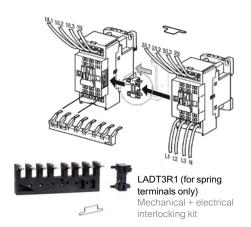
Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).

Components for customer assemblies

Contactors + dedicated kits for building complete load or source changeover assemblies.

Bill of mat	erial							
AC-1 rating	4 poles (NO) contact	ors	· · · · · · · · · · · · · · · · · · ·	Kits (with or without interlocking devices) Separate interlocking devices				
(A)	Terminal type		Electrical	Interlocking device	es			
	Screw for lugs or bars	Spring	power links	Mechanical	Electrical			
20	2x LC1DT206••	2x LC1DT203••(2)	LADT3R1	LADT3R1 Cu				
25	2x LC1DT256**	2x LC1DT253••(2)	Kit for spring termina					
32	2x LC1DT326••	2x LC1DT323••(2)		link (LAD9V9), mechanical interlocking (LAD9V2) and assembling staple				
40	2x LC1DT406••	2x LC1DT403••(2)	(LAD9V7)					
60	2x LC1DT60A6**	2x LC1DT60A3••(1)	Customer cabling	LAD4CM	Customer cabling			
80	2x LC1DT80A6**	2x LC1DT80A3••(1)						
125	2x LC1D800046•• (~) 2x LP1D800046•• (DC)	-	Customer cabling	ng LA9D4002 (AC) / LA9D8002 (DC)				
200	2x LC1D1150046**	-	Customer cabling	LA9D11502				

- (1) Power connection by $\mathsf{EverLink}^{\circledcirc}\,\mathsf{BTR}\,\mathsf{screw}\,\mathsf{connector's}$ and control by spring terminals
- (2) Power and control by Spring terminals.





LA9D8002 Electro-mechanical interlocking for DC



LA9D4002 Electro-mechanical interlocking for AC



LA9D11502 Electro-mechanical interlocking



LAD4CM Mechanical interlock

60 to 200 A AC-1 - TeSys D

3-pole changeovers - screw clamp terminals

Components for customer assemblies

2 identical contactors + dedicated kits for building complete load or source changeover assemblies.

Characteristics	Bill of material (c	material (contactors to be completed with)										
AC-3 rating (A)	Contactors	Set of electrical power links	Electrical interlocking									
40	2x LC1D40A•• ⁽¹⁾											
50	2x LC1D50A•• ⁽¹⁾	Kit: - LAD9R3S : power links + mechanica	Customer cabling									
65	2x LC1D65A•• ⁽¹⁾	- LADSROO. power links - mechanica	il iliteriock									
80	2x LC1D80••	Power links: LA9D80691	Mechanical + electrical interlocks: LA9D4002 for AC - LA9D8002 for DC									
95	2x LC1D95••	Fower links. LA9D0009 I										
115	2x LC1D115**	Dower links: I AOD11571	M. I I									
150	2x LC1D150••	Power links. LA9D11371	Power links: LA9D11571 Mechanical + electrical interlocks: LA9D11									

⁽¹⁾ Power connection by EverLink® BTR screw connectors and control by screw clamp terminals

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48).



LAD9R3S

Kit with mechanical interlock and 3P 65 A AC-3 power links



LA9D80691 3P 95 A AC-3 power links



LA9D11571 3P 150 A AC-3 power links



LA9D4002

Electro-mechanical interlocking for 80-95 A AC-3



LA9D8002

Electro-mechanical interlocking for 80-95 A AC-3



LA9D11502

Electro-mechanical interlocking

200 to 1000 A AC-1 - TeSys F

3-pole, 4-pole changeovers - screw terminals for lugs or bars

Pre-assembled



\sim		_
62	IJ	-••

Delivered with:

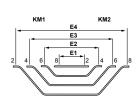
- · 4-pole contactors
- · mechanical interlock
- · pre-wired power connections.

Contactor types (pair of 2 identical)	References
LC1F115	LC2F1154
LC1F150	LC2F1504
LC1F185	LC2F1854
LC1F225	LC2F2254
LC1F265	LC2F2654

Coils to be ordered separately – see commercial references in TeSys catalogue chapter B9.

Components for customer horizontal assemblies

Bill of materia	ıl							
Contactor types	3-pole contac	tors assemblies	4-pole contact	4-pole contactors assemblies				
(pair of 2 identical)	Contactors	Set of electrical power links	Horizontal mechanical interlock	Contactors	Set of electrical power links	Horizontal mechanical interlock		
LC1F115	2x LC1F115	LA9FF982	LA9FF970	2x LC1F1154	LA9FF977	LA9FF970		
LC1F150	2x LC1F150	LA9F15082		2x LC1F1204	LA9F15077			
LC1F185	2x LC1F185	LA9FG982	LA9FG970	2x LC1F1854	LA9FG977	LA9FG970		
LC1F225	2x LC1F225	LA9F22582		2x LC1F2254	LA9F22577			
LC1F265	2x LC1F265	LA9FH982	LA9FJ970	2x LC1F2654	LA9FH977	LA9FJ970		
LC1F330	2x LC1F330	LA9FJ982		2x LC1F3304	L AOE 1077			
LC1F400	2x LC1F400	LA9FJ982		2x LC1F4004	LA9FJ977			
LC1F500	2x LC1F500	LA9FK982	1	2x LC1F5004	LA9FK977	1		
LC1F630	2x LC1F630	LA9FL982	LA9FL970	2x LC1F6304	LA9FL977	LA9FL970		
LC1F800	2x LC1F800	LA9FL982		-	-	-		



KM1 = KM2		E1	E2	E3	E4
LC1F1154	LA9FF977	77	151	225	299
LC1F1504	LA9F15077	71	151	231	311
LC1F1854	LA9FG977	78	158	238	318
LC1F2254	LA9F22577	54	150	246	342
LC1F2654	LA9 FH977	100	196	292	388
LC1F3304/4004	LA9FJ977	107	203	299	395
LC1F5004	LA9FK977	112	222	332	442
LC1F6304	LA9FL977	137	297	457	617



I A9F.I977

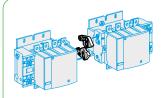


Vertical customer assembly

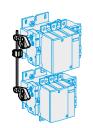
The vertical mechanical interlocks must be substituted by horizontal. Electrical power and interlocking circuits shall be wired by customer (no pre-fabricated links available).

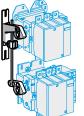
Customer assembly of pairs of contactors of different ratings

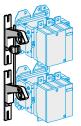
Contactors of different ratings (3 or 4 poles) can be only vertically assembled. Selection tables of appropriate mechanical interlocks (no pre-fabricated links available) can be found in the TeSys catalogue ref. MKTED210011EN - chapter B9 (page 38-39 of 2017-2018 edition).



Mechanical interlocks for horizontal assembling of identical contactors.







Interlocks are different, depending on the ratings to be associated (only vertically).





Part B: contactors & accessories

В

TeSys K

၁

TeSys D

6

TeSys F

7

TeSys K



Simple, robust and compact contactors, 3 or 4 poles, from 6 to 16 A AC-3, 20 A AC-1 (10 A AC-1 with spring terminals)



With screw clamp terminals



With spring terminals



With Faston connectors



With solder pins



With screws for lugs

Electrodomestic applications: TeSys D, K 'S335' series contactors



Catalogue 2017 Ref.: LVCATDESDK335_EN



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Railways applications: TeSys D, K 'S207' series contactors

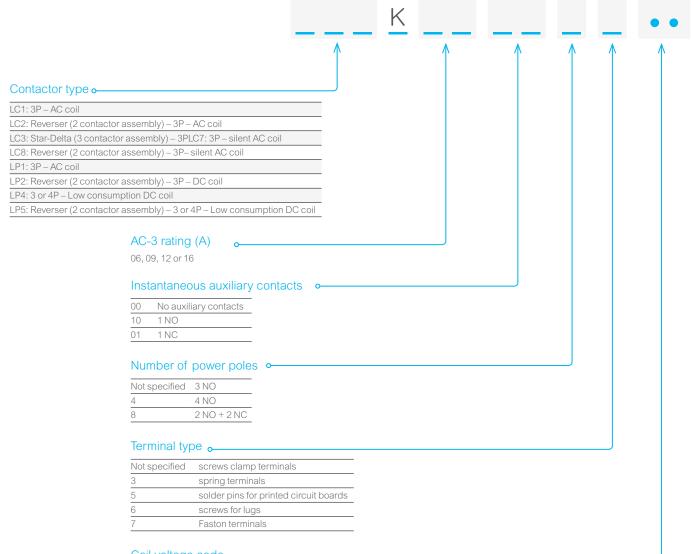


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Commercial references coding



Coil voltage code •

a.c. supp	a.c. supply														
Contactors LC1 K (0.8 1.15 Uc) (0.85 1.1 Uc)															
Volts	12	20	24 ⁽³⁾	36	42	48	110	115	120	127	200/208	-	220/230	230	230/240
50/60 Hz	J7	Z7	B7	C7	D7	E7	F7	FE7	G7	FC7	L7		M7	Р	U7
Volts	256	277	380/400	-	400	400/415	-	440	480	500	575	600	660/690	-	-
50/60 Hz	W7	UE7	Q7	-	V7	N7	-	R7	T7	S7	SC7	X7	Y7	-	-

Up to and including 240 V, coil with integral suppression device available: add 2 to the code required. Example: J72

Contactors LC7 K (0.8... 1.1 Uc)

Volts	24	42	48	110	115	220	230/240
50/60 Hz	В7	D7	E7	F7	FE7	M7	U7

d.c. supp	d.c. supply																
Contactor	s LP1	K (0.	81.	.15 Ud	c)												
Volts	12	20	24(2)	36	48	60	72	100	110	125	155	174	200	220	230	240	250
Code	JD	ZD	BD	CD	ED	ND	SD	KD	FD	GD	PD	QD	LD	MD	MPD	MUD	UD

Coil with integral suppression device available: add 2 to the code required. Example: JD3

Low con	Low consumption											
Contactor	Contactors LP4 K (0.7 130 Uc)											
Volts	12	20	24	48	72	110	120					
Code	Code JW3 ZW3 BW3 EW3 SW3 FW3 GW3											

В

5

Commercial references per terminal type

TeSys K contactors fulfill a large variety of customer's needs thanks to their compacity and multiple declinations:

- 5 terminal types
- AC, DC, low consumption DC coils (for control by PLC output)
- standard or silent contactors.

Check for details and variant availabilities in TeSys catalogue ref. MKTED210011- chapter B8.

3 and 4 pole TeSys K contactors

Screw clamp terminals



LC1K0901.••

Spring terminals



LC1K09013 ··

Faston connectors



LC1K09017 · ·

Solder pins



LC1K09015 ···

Screws for lugs



LC1K9016 ••

AC3		Pow cont		Auxi cont		Screw clam		Spring termi	nals	Faston connectors (1 x 6.35 or 2 x 2.8)		Solder pins for printed circuitboard		Lugs
(A)		NO	NC	NO	NC									
AC su	apply of	cont	rol cir	cuit		General purpose	Silent contactor	General purpose	Silent contactor	General purpose	Silent contactor	General purpose	Silent contactor	General purpose
6	-	3	-	1	-	LC1K0610	LC7K0610••	LC1K06103••	-	LC1K06107••	LC7K06107••	LC1K06105**	LC7K06105••	LC1K06106**
	-	3	-	-	1	LC1K0601••	LC7K0601••	LC1K06013••	-	LC1K06017**	LC7K06017••	LC1K06015••	LC7K06015**	LC1K06016**
9	20*	3	-	1	-	LC1K0910••	LC7K0910••	LC1K09103**	-	LC1K09107••	LC7K09107••	LC1K09105**	LC7K09105••	LC1K09106••
	20*	3	-	-	1	LC1K0901••	LC7K0901••	LC1K09013**	-	LC1K09017••	LC7K09017••	LC1K09015**	LC7K09015••	LC1K09016**
-	20*	4	-	-	-	LC1K09004••	LC7K09004••	LC1K090043••	-	LC1K090047••	LC7K090047••	LC1K090045**	LC7K090045••	-
	20*	2	2	-	-	LC1K09008••	LC7K09008••	LC1K090083••	-	LC1K090087••	LC7K090087••	LC1K090085••	LC7K090085••	
12	20*	3	-	1	-	LC1K1210••	LC7K1210••	LC1K12103**	-	LC1K12107••	LC7K12107••	LC1K12105**	LC7K12105••	LC1K12106**
	20*	3	-	-	1	LC1K1201••	LC7K1201••	LC1K12013••	-	LC1K12017**	LC7K12017••	LC1K12015••	LC7K12015**	LC1K12016**
-	20*	4	-	-	-	LC1K12004••	LC7K12004••	-	-	LC1K120047••	LC7K120047••	LC1K120045**	LC7K120045**	•
16	-	3	-	1	-	LC1K1610••	-	-	-	LC1K16107••	-	LC1K16105••	-	LC1K16106••
	-	3	-	-	1	LC1K1601••	-	-	-	LC1K16017••	-	LC1K16015**	-	LC1K16016**
DC st	upply of	cont	rol cir	cuit		General purpose	Low consumption	General purpose	Low consumption	General purpose	Low consumption	General purpose	Low consumption	General purpose
6	-	3		1		LP1K0610••	LP4K0610••	LP1K06103••	LP4K06103••	LP1K06107••	LP4K06107••	LP1K06105••	LP4K06105••	LP1K06106**
	-	3			1	LP1K0601••	LP4K0601••	LP1K06013••	LP4K06013••	LP1K06017••	LP4K06017••	LP1K06015••	LP4K06015••	LP1K06016••
9	20*	3		1		LP1K0910••	LP4K0910••	LP1K09103••	LP4K09103••	LP1K09107••	LP4K09107••	LP1K09105••	LP4K09105••	LP1K09106••
	20*	3			1	LP1K0901••	LP4K0901••	LP1K09013••	LP4K09013••	LP1K09017••	LP4K09017••	LP1K09015••	LP4K09015••	LP1K09016••
-	20*	4	-	-	-	LP1K09004••	LP4K09004••	LP1K090043••	LP4K090043••	LP1K090047••	LP4K090047••	LP1K090045••		•
	20*	2	2	-	-	LP1K09008••	LP4K09008••	LP1K090083••	LP4K090083••	LP1K090087••	LP4K090087••	LP1K090085••		
12	20*	3		1		LP1K1210••	LP4K1210••	LP1K12103••	LP4K12103••	LP1K12107••	LP4K12107••	LP1K12105••	LP4K12105••	LP1K12106••
	20*	3			1	LP1K1201••	LP4K1201••	LP1K12013••	LP4K12013**	LP1K12017••	LP4K12017**	LP1K12015**	LP4K12015••	LP1K12016**
-	20*	4	-		-	LP1K12004••	LP4K12004••	LP1K120043••	LP4K120043••	LP1K120047••	LP4K120047••	LP1K120045••	LP4K120045••	-

^{*} AC1 rating limited to 10 A with spring terminals (max. cable: 1.5 mm²).

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 44)

Terminal adaptors - Pole interconnection links

LC1K06... LC1K16 LC7K06... LC7K12 LP1K06... LP1K12 LP4K06... LP4K12



Solder pins adaptor for top terminals

Lot of 100

LA9K105S

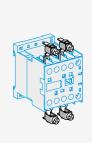


Solder pins adaptor for bottom terminals

LA9K105I

Lot of 100

For 4P contactors with screw terminals for lugs. Solder pins allow every terminal to be linked to a printed circuit board or to an individual cable.





2-pole parallel link

LA9E1

Lot of 4

For contactors with screw clamp terminals. Connects 2 poles in parallel. Can be used for increasing the current switching capability. Used to make/break a current higher than

the pole rated capacity.



4-pole parallel link LA9E2

Lot of 4

For contactors with screw clamp terminals. Connects 4 poles in parallel. Can be used for increasing the current switching capability. Used to make/break a current higher than

the pole rated capacity.



Parallel + reverser links kit

LA9K0969

For 3P contactors with screw clamp terminals.

Used for motor reverser starter.

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TeSys D





Reliable and long-lasting contactors, 3 or 4 poles, from 6 to 16 A AC-3, 20 A AC-1 (10 A AC-1 with spring terminals)

A choice of terminal types



Screw clamp terminals



EverLink® terminals, with constant tightening



Screw terminals, for lugs or bars



Faston terminals

Different size, according to rating:



9 to 38 A AC-3: LC1D09, D12, D18, D25, D32, D38



40 to 65 A AC-3: LC1D40, D50, D65 LC1DT60A, DT80A



80 to 95 A AC-3: LC1D80, D95 LC1D80004, LC1D80008, LC1D4008, LC1D65008



115 to 150 A AC-3: LC1D115, D150 LC1D115005

Electrodomestic applications: TeSys D, K 'S335' series contactors



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Railways applications: TeSys D, K 'S207' series contactors

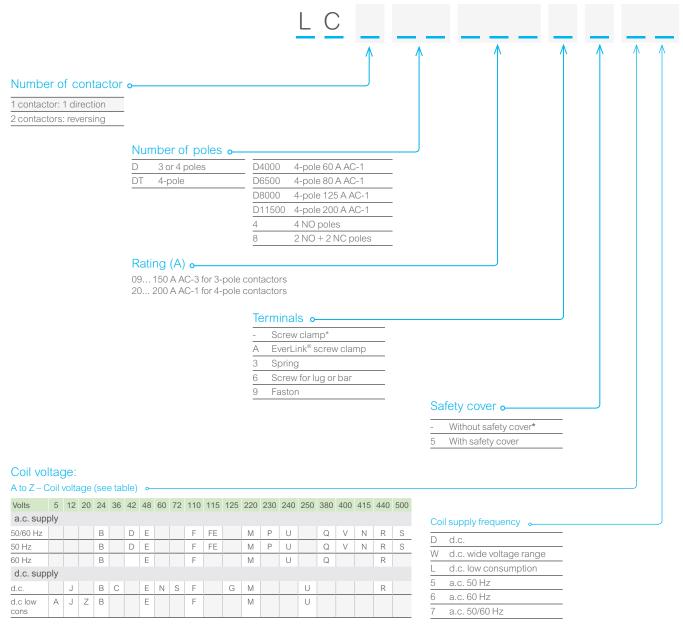


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* No specific code displayed in the reference.

Exemples

Control Panel - Technical Guide

LC 1 D 40 A - BD

1 contactor • 3-pole • 40 A • EverLink® screw clamp terminals • Without safety cover • 24 V • dc coil Corresponding reference: LC1D40ABD

LC 1 D8000 4 - - P7

1 contactor • 4-pole • 125 A • Screw clamp terminals • Without safety cover • 230 V • 50/60 Hz ac coil Corresponding reference: LC1D80004P7

Note

Contactors exist for most of possible combinations. Check for availability before ordering.



R

6

49

Commercial references per terminal type

TeSys D contactors fulfill a large variety of customer's needs thanks to their multiple declinations, accessories and auxiliaries:

- 5 terminal types
- AC, DC, Low Consumption DC coils, electronic coils (TeSys D Green for control by PLC output).

Check for details, accessories, auxiliaries in TeSys catalogue ref. MKTED210011- chapter B.

3 and 4-pole TeSys D contactors









AC3 rating	AC1 rating	Powe		Auxil conta		Screw clamp terminals or EverLink® connectors	Lugs or bars	Spring terminals	Faston connectors
(A)		NO	NC	NO	NC				
9	16	3	-	1	1			LC1D093•• ⁽⁴⁾	
9	25	3	1-	1	1	LC1D09•• ⁽¹⁾	LC1D096••	20.2000	LC1D099•• ⁽⁶⁾
	20	4	1_	1	1	LC1DT20•• ⁽¹⁾	LC1DT206••	LC1DT203•• ⁽⁴⁾	
	20	2	2	1	1	LC1D098•• ⁽¹⁾	LC1D0986••	LC1D0983•• ⁽⁴⁾	
12	16	3	-	1	1	2012000	2012000	LC1D123•• ⁽⁴⁾	
12	25	3	-	1	1	LC1D12•• ⁽¹⁾	LC1D126••		LC1D129•• ⁽⁶⁾
		4	1-	1	1	LC1DT25••(1)	LC1DT256••	LC1DT253•• ⁽⁴⁾	
		2	2	1	1	LC1D128•• ⁽¹⁾	LC1D1286••	LC1D1283•• ⁽⁴⁾	
18	25	3	1-	1	1			LC1D183•• ⁽⁴⁾	
10	32	3	-	1	1	LC1D18•• ⁽¹⁾	LC1D186••		1-
	02	4	-	1	1	LC1DT32•• ⁽¹⁾	LC1DT326••	LC1DT323•• ⁽⁴⁾	
		2	2	1	1	LC1D188•• ⁽¹⁾	LC1D1886••	LC1D1883•• ⁽⁴⁾	
25	25	3	-	1	1			LC1D253•• ⁽⁴⁾	
	40	3	1-	1	1	LC1D25•• ⁽¹⁾	LC1D256••		-
		4	1-	1	1	LC1DT40•• ⁽¹⁾	LC1DT406••	LC1DT403•• ⁽⁴⁾	
		2	2	1	1	LC1D258•• ⁽¹⁾	LC1D2586••	LC1D2583•• ⁽⁴⁾	
32	25	3	-	1	1			LC1D323•• ⁽⁴⁾	
02	50	3	-	1	1	LC1D32•• ⁽¹⁾	LC1D326••		-
38	38	3	1-	1	1			LC1D383 (4)	
	50	3	1-	1	1	LC1D38•• ⁽¹⁾	LC1D386••		-
40	60	3	-	1	1	LC1D40A••(2)	LC1D40A6••	LC1D40A3•• ⁽⁵⁾	-
	60	4	1_	1	1	LC1DT60A••(2)	LC1DT60A6••	LC1DT60A3•• ⁽⁵⁾	
	00	2	2	1	1	LC1D40008•• (~ coil) LP1D40008•• (= coil)	LC1D400086•• (~ coil) LP1D400086•• (= coil)	LOTDTOON	
50	80	3	-	1	1	LC1D50A••(2)	LC1D50A6••	LC1D50A3•• ⁽⁵⁾	-
65	80	3	-	1	1	LC1D65A••(2)	LC1D65A6••	LC1D65A3•• ⁽⁵⁾	-
	80	4	-	1	1	LC1DT80A••(2)	LC1DT80A6••	LC1DT80A3•• ⁽⁵⁾	
		2	2	1	1	LC1D65008•• (~ coil) LP1D65008•• (= coil)	LC1D650086•• (~ coil) LP1D650086•• (= coil)		
80	125	3	-	1	1	LC1D80•• ⁽³⁾	LC1D806••	į.	-
	125	4	-	1	1	LC1D80004•• (~ coil) LP1D80004•• (= coil) ⁽³⁾	LC1D800046•• (~ coil) LP1D800046•• (= coil)		
		2	2	1	1	LC1D80008•• (~ coil) LP1D80008•• (= coil)	LC1D800086•• (~ coil) LP1D800086•• (= coil)		
95	125	3	-	1	1	LC1D95••(3)	LC1D956••	-	-
115	200	3	-	1	1	LC1D115•• ⁽³⁾	LC1D1156••	-	-
_	200	4	-	1	1	LC1D115004•• ⁽³⁾	LC1D1150046••		
150	200	3	-	1	1	LC1D150•• ⁽³⁾	LC1D1506••	-	-

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; BD = 24 V DC; BW3 = 24 V DC low consumption; other codes, see page 48)

(1) Connection by screw clamp terminals

(3) Connection by screw clamp terminal or connectors

⁽²⁾ Power connection by EverLink® BTR screw connectors and control by screw clamp terminals

⁽⁴⁾ Power and control by spring terminals (5) Power connection by EverLink® BTR screw connectors and control by spring terminals

⁽⁶⁾ Contactors fitted with 2 x 6.35 mm Faston connectors on power poles and 1 x 6.35 mm on coil and auxiliary terminals.

Terminal adaptors for 3P contactors

For LC1D09... **D38**



Terminal adaptor for 25 mm² cables

LA9D3260

LA9D1261

Lot of 1

To be inserted into 3P contactor screw clamp or screw type terminals. Keeps wires in the right order when removing/reinstalling a contactor.



Terminals for parallel connection

Lot of 10

For connecting one single cable into 2 terminals in parallel.

For LC1D40A... **D65A**



EverLink® terminal block

Lot of 1

Spare EverLink® terminal for compatible contactors.

For LC1D40A... **D80A**



Wiring adaptor LAD4BB3

LAD96560

Lot of 1

Used when an old contactor must be replaced by today's TeSys D. The existing coil top wiring is generally too short, this adaptor provides extra length to allow new front coil connection.

For LC1D40A6... **D65A6**



3P terminal protective Lot of 1

To be inserted on screw type terminal (for lugs) of contactors. Prevents contact with live parts.

For LC1D80... **D**95



Control circuit take-off Lot of 10 from main pole

LA9D8067

LAD96570

To be inserted into a power screw clamp terminal, it provides a smaller terminal for a control circuit connected to the same voltage.

For LC1D115... **D150**



Control circuit take-off Lot of 10 from main pole

LA9D11567

To be inserted into a power screw clamp terminal, it provides a smaller terminal for a control circuit connected to the same voltage



Terminal blocks for 120 mm² cables

LA9D115603

For changing contactors with simple screw-type terminals into screw clamp terminals

For LC1D115... D150



Connector blocks for lug terminals

Lot of 2

Lot of 3

Lot of 6

Lot of 2

Hold the ring lugs in place when connected to a contactor with simple screw-type terminals.



Spreaders for power poles

LA9D115503

GV7AC03

To be connected to a contactor with screw type terminals (for lugs), for increasing pole pitch to 45 mm.



Terminal protective covers

LA9D115703

To be inserted on screw the type terminals (for lugs) of contactors. 1 cover per pole. Prevent contact with live parts.

Life Is On Schneider

Terminal interconnection links for 3P contactors

For LC1D09 D38	AHA	3P parallel links LA9D1262	Lot of 10	Used for linking 3 poles of a contactor used in a star/delta starter, as an example.
		3P parallel links LAD9P3	Lot of 10	Used for linking 3 poles of a contactor used in a star/delta starter, as an example.
For LC1D40 D65		2P parallel links LA9D40961	Lot of 2	For connecting one single cable with a ring lug into 2 contactor terminals in parallel.
		2P parallel link LAD9P32	Lot of 1	For connecting one single cable with a ring lug into 2 contactor terminals in parallel.
	TT.	3P parallel link with warning cover LAD9SD3S	Lot of 1	Used for linking 3 poles of a contactor used in a star/delta starter, as an example.
		3P parallel link LAD9P33	Lot of 1	For connecting one single cable with a ring lug into 3 contactor terminals in parallel.
For LC1D80 D95		2P parallel link LA9D80961	Lot of 2	For connecting one single cable with a ring lug into 2 contactor terminals in parallel.
		3P parallel link LA9D80962	Lot of 1	For connecting one single cable with a ring lug into 3 contactor terminals in parallel.

Pole interconnection links for a pair of 3P contactors

For LC1D09... D38 screw clamp terminals



Compact parallel link between 2 contactors

LAD9V5

Used upstream in reverser starters - High compactness, leaves a space for inserting a cable in each terminal.



Reverser link between 2 contactors

LAD9V6

Used downstream in reverser starters – High compactness.

For LC1D09... D38 screw clamp or spring terminals



Compact parallel link between 2 contactors

LAD9V10

Used upstream in reverser starters with spring or screw clamp terminal contactors. Must be used when a Quick power connection module - LAD341- is used to connect their top terminals to a circuit breaker.

For LC1D09... D38 spring terminals



Parallel link between 2 contactors

LAD9V12

Used upstream in reverser starters, without Quick power connection module - LAD341.



Compact reverser link between 2 contactors

LAD9V11

Used downstream in reverser starters with spring terminal contactors. Must be used when a Quick power connection module - LAD341- is used to connect their terminals to a circuit breaker.



Reverser link between 2 contactors

LAD9V13

Used downstream in reverser starters. For reverser connection of 2 contactors with spring terminals, without Quick power connection module - LAD341.

For LC1D40A... D65A screw clamp terminals



Compact parallel link between 2 contactors

LA9D65A6

Used upstream in reverser starters. Molded electrical link goes into a contactor cavity for better compactness.



Compact reverser link between 2 contactors

LA9D65A9

Used downstream in reverser starters. Molded electrical link goes into a contactor cavity for better compactness.

Quick electrical link finder

Туре	Screw clamp terminals	Spring terminals	EverLink® terminal
3-pole contactors	LC1D09 LC1D38	LC1D09 LC1D38	LC1D40A LC1D65A
Parallel link		LAD9V12	
Parallel compact link	LAD9V5 and LAD9V10	LAD9V10	LA9D65A6
Reverser link		LAD9V13	
Reverser compact link	LAD9V6	LAD9V11	LA9D65A9

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Terminal adaptors - Pole interconnection links for 4P contactors

For LC1DT20 DT25		Terminal adaptor for 10 mm² cables LA9D1260	Lot of 1	To be inserted into 4P contactor screw clamp or screw type terminals. 90° connection angle between cable and contactor terminal.
	* single	1 terminal adaptor for 10 mm² cables LA9D2560	Lot of 1	To be inserted into 4P contactor screw clamp or screw type terminals. Straight connection between cable and connector terminal.
		Terminal for 2P parallel connection LA9D1261	Lot of 10	For connecting one single cable into 2 terminals in parallel.
	alarah alarah	1 terminal for parallel connection LA9D1263	Lot of 2	For connecting one single cable with a ring lug into 4 terminals in parallel.
		1 terminal for 2P parallel connection LA9D2561	Lot of 10	For connecting one single cable into 2 terminals in parallel.
	The state of	1 terminal for 4P parallel connection LA9D2563	Lot of 1	For connecting one single cable into 4 terminals in parallel.
For LC1DT40 DT65	366	2P parallel links LA9D40961	Lot of 2	For connecting one single cable with a ring lug into 2 terminals in parallel.
	State B.	4P parallel links LA9D40963	Lot of 2	For connecting one single cable with a ring lug into 4 terminals in parallel.
For LC1D60A6 D80A6		4P terminal protective cover LAD96580	Lot of 1	To be inserted on screw type terminal (for lugs) of contactors. Prevents from direct contact with live lugs.
For LC1DT80 DT95		Control circuit take-off from main pole LA9D8067	Lot of 10	To be inserted into a power screw clamp terminal, it provides a smaller terminal for a control circuit connected to the same voltage.

Terminal adaptors - Pole interconnection links for 4P contactors

For LP1D80		2P parallel links LA9D80961	Lot of 2	For connecting one single cable with a ring lug into 2 terminals in parallel.
	1888	4P parallel links LA9D80963	Lot of 2	For connecting one single cable with a ring lug into 4 terminals in parallel.
For LC1D80004, LC1D80008, LC1D115004		Control circuit take-off from main pole LA9D11567	Lot of 10	To be inserted into a power screw clamp terminal, it provides a smaller terminal for a control circuit connected to the same voltage.
For LC1D115 D150		4P terminal blocks for 120 mm² cables LA9D115604	Lot of 2	For changing contactors with simple screw-type terminals into screw clamp terminals.
For LC1D1156 D1506	2 222	4P terminal blocks for ring lugs LA9D115504	Lot of 2	Hold the ring lugs in place when connected to a contactor with simple screw-type terminals.
		1P terminal protective cover LA9D115704	Lot of 8	To be inserted on screw the type terminals (for lugs) of contactors. 1 cover per pole.

Pole interconnection kits for a pair of contactors - Motor reverser

			- 1 1115 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
For LC1D09 D38		Motor reverser / Load changeover electrical interlocking links	To be used with 2 contactors of same dimensions aligned on a single rail. Connect auxiliary contacts and coils circuits.
		Motor reverser assembling kit (with mechanical interlock only) LAD9R1	To be used with 2 contactors.
		Motor reverser assembling kit (with mechanical and electrical interlock) LAD9R1V	To be used with 2 contactors.
For LC1D40A, 50A 65A	Soulist Control	Motor reverser assembling kit (with mechanical interlock only) LAD9R3	To be used with 2 contactors.
For LC1D80 D95		Motor reverser cabling kit LA9D8069	To be used with 2 contactors.
	A 1 000	Motor reverser mechanical interlocking kit LA9D50978	To be used with 2 AC coil contactors.
		Motor reverser mechanical interlocking kit LA9D80978	To be used with 2 DC coil contactors.
		Motor reverser mechanical and electrical interlocking kit LA9D4002	To be used with 2 AC coil contactors.
		Motor reverser mechanical and electrical interlocking kit LA9D8002	To be used with 2 DC coil contactors.
For LC1D115 D150	الليليا الليا	Motor reverser cabling kit LA9D11569	To be used with 2 contactors.
		Motor reverser mechanical and electrical interlocking kit LA9D11502	To be used with 2 contactors.

Pole interconnection kit for a pair of contactors - Motor reverser + 2 speed control

For LC1D09... D25



Motor reverser + 2 speed assembling kit (with mechanical and electrical interlock)

LAD9PVGV

Provides the front faces alignment of a D09... D12. To be used with 3 contactors.

Pole interconnection kits for 3 contactors - Star Delta starter

For LC1D09... D38 Line contactor (all contactors of same dimensions)



Motor Star Delta starter assembling kit (without timer) Mechanical + electrical interlocks

LAD91218

To be used with 3 contactors of same dimensions aligned on a single rail.



Motor Star Delta starter assembling kit (with timer) Mechanical + electrical interlocks

LAD91217

To be used with 3 contactors of same dimensions aligned on a single rail.



Motor Star Delta starter assembling kit (with timer) Mechanical + electrical interlocks The starter is one block composed of GV2 circuit breaker + 1 contactor on the top row, and 2 contactors on the bottom row.



Motor Star Delta starter Electrical interlocking links

LAD9V14

LAD93218

LAD93217

LAD912GV

To be used with 3 contactors of same dimensions aligned on a single rail. Connect auxiliary contacts and coils circuits.

For LC1D25... D32 Line contactor (smaller Star contactor (depth))



Motor Star Delta starter assembling kit (without timer) Mechanical + electrical interlocks To be used with 3 contactors aligned on a single rail. A raiser adaptor is provided for the Star contactor, smaller than other contactors.



Motor Star Delta starter assembling kit (with timer) Mechanical + electrical interlocks To be used with 3 contactors aligned on a single rail. A raiser adaptor is provided for the Star contactor, smaller than other contactors.

For LC1D40A... D65A Line contactor



Motor Star Delta starter assembling kit (with timer) Mechanical interlock

LAD9SD3

To be used with 3 contactors with EverLink terminals, aligned on a single rail.

For LC1D80 Line contactor With LCD60 or D65 as Star contactor



Motor Star Delta starter assembling kit (with timer)

LA9D8017

To be used with 3 contactors aligned on a single rail. No interlock provided, additional electrical interlocking circuit must be wired by customer.

For LC1D80, D95 Line contactor



Motor Star Delta starter assembling kit (with timer) Mechanical interlock

LA9D8018

To be used with 3 contactors aligned on a single rail. Additional electrical interlocking circuit must be wired by customer.

Pole interconnection kits for 3 contactors - Star Delta starter (see allocation table page 30)

For LC1D115 Line contactor



Motor Star Delta starter cabling kit

LA9D11517

To be used with 3 contactors of same dimensions aligned on a single rail provided. Additional electrical interlocking circuit must be cabled by customer.

For LC1D150 Line contactor



Motor Star Delta starter cabling kit

LA9D15017

To be used with 3 contactors of same dimensions aligned on a single rail provided. Possible addition of LA9D11502 mechanical + electrical interlocking kit.

Pole interconnection kits for a pair of 4-pole contactors - Load/Source changeover

For LC1DT20, DT25, DT32, DT40



Changeover assembling kit with mechanical interlock

LADT9R1

To be used with 2 contactors of same dimensions aligned on a single rail provided. Additional electrical interlocking circuit must be wired by customer.



Changeover assembling kit with mechanical + electrical interlocks

LADT9R1V

To be used with 2 contactors of same dimensions aligned on a single rail provided.

Pole interconnection kits for a pair of 3-pole contactors - Load/source changeover

For LC1D40A, 50A, 65A



Kit with mechanical interlock and 3P 65 A AC-3 power links

LA9DR3S

Pole parallel connection (L1 connected to L1, L2 to L2...)

For LC1D80, LC1D95



3P changeover 95 A AC-3 power link

LA9D80691

Pole parallel connection (L1 connected to L1. L2 to L2...)

For LC1D115, LC1D150



3P changeover 150 A AC-3 power link

LA9D11571

Pole parallel connection (L1 connected to L1, L2 to L2...)

3-pole, 4-pole contactors - Electrical interlocking kit

For LC1DT20, DT25, DT32, DT40



Motor reverser / Load changeover electrical interlocking links

LAD9V1

To be used with 2 contactors of same dimensions aligned on a single rail. Connect auxiliary contacts and coils circuits.

3 and 4-pole contactors - Mechanical assembly components

LC1D09 D12		Wedge for D09 D12 contactor LAD9V16	Allows front face alignment of a smaller contactor (LC1D09 D12) with a bigger contactor (LC1D25 D38).
LC1D09 D38		Mechanical interlock with staples LAD9V2	To be mounted between 2 contactors. Staples allow 2 contactors to be assembled in one block.
	53	Staple LAD9V17	For assembling 2 contactors in one block (reverser and other applications).
LC1D40A D65A LC1DT60A DT80A		Mechanical interlock LAD4CM	To be mounted between 2 contactors.

Quick interlocking kit finder

	LC1D09	LC1D12	LC1D18	LC1D25	LC1D32	LC1D38	LC1D40A	LC1D50A	LC1D65A	LC1D80	LC1D95	LC1D115	LC1D150
LC1D09				Elec.: LA	AD9V1								
LC1D12	Elec.: LA	AD9V1 LAD9V2			cha.: LAD9V2								
LC1D18	Wicciia	LADOVZ		+ wedge	LAD9V1	6							
LC1D25	Elec.: LA	AD9V1			DO) (4								
LC1D32		LAD9V2		Elec.: LA	LAD9V1								
LC1D38	+ wedge	LAD9V1	6										
LC1D40A													
LC1D50A							Meca.: LA	D4CM					
LC1D65A													
LC1D80										Meca.: LA9D50978 (~)	/LA9D80978 (DC)		
LC1D95										Electro-Meca.: LA9D4	002 (~) / LAD8002 (DC)		
LC1D115												Electro-M	eca.:
LC1D150												LA9D1150	02

6

TeSys F





LC1F630 630 A AC-3, 3 poles

Different size, according to rating and number of poles



500 A AC-1, 2 poles LC1F4002



225 A AC-3 , 3 poles LC1F225



1 000 A AC-3, 3 poles LC1F1700



1 000 A AC-3, 3 poles LC1F2600



700 A AC-1, 4 poles LC1F5004



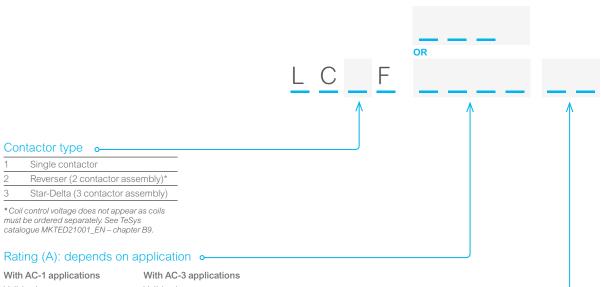
1 000 A AC-1, 4 poles LC1F6304



1 600 A AC-1, 4 poles LC1F7804

Commercial reference coding

> 2, 3, 4 pole contactors for AC-3, AC-1 applications – screw-type terminals



with AC-1 app	lications
Valid values:	means:
115	200 A - 3P
1154	200 A - 4P
150	250 A - 3P
1504	250 A - 4P
185	275 A - 3P
1854	275 A - 4P
225	315 A - 3P
2254	315 A - 4P
330	350 A - 3P
3304	350 A - 4P
400	500 A - 3P
4002	500 A - 2P
4004	500 A - 4P
500	700 A - 3P
5002	700 A - 2P
5004	700 A - 4P
630	1000 A - 3P
6302	1000 A - 2P
6304	1000 A - 4P
780	1600 A - 3P
7804	1600 A – 4P
(LCS1F) 1200 (KUE)	1200 A - 3P
1250	1260 A – 3P
1400	1400 A - 3P
1700	1700 A - 3P
2100	2100 A - 3P

Valid values:	means:
115	115 A - 3P
150	150 A - 3P
185	185 A - 3P
225	225 A - 3P
265	265 A - 3P
330	330 A - 3P
400	400 A - 3P
500	500 A - 3P
630	630 A - 3P
780	780 A - 3P
800	800 A - 3P
1000	1000 A - 3P

Coil control voltage codes •

(no code for reverser assembly product references)

Volts ≂	24	48	110	115	120	208	220	230	240	380	400	415	440
LC1F115F225													
50 Hz (coil LX1)	B5	E5	F5	FE5	-	-	M5	P5	U5	Q5	V5	N	-
60 Hz (coil LX1)	-	E6	F6	-	G6	L6	M6	-	U6	Q6	-	-	R6
40400 Hz (coil LX9)	-	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7
LC1F265F330													
40400 Hz (coil LX1)	В7	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	wV7	N7	R7
LC1F400F630, F1250													
40400 Hz (coil LX1)	-	E7	F7	FE7	G7 ⁽¹⁾	L7	M7	P7	U7	Q7	V7	N7	R7
LC1F780													
40400 Hz (coil LX1)	-	-	F7	FE7	F7	L7	M7	P7	U7	Q7	V7	N7	R7
LC1F800													
40400 Hz (coil LX4)(2)	-	-	FW	FW	FW	-	MW	MW	MW	QW	QW	QW	-
LC1F1000, F1400, F1700, F2	2100, F	2600											
40400 Hz (coil LX1F)	-	-	F7	-	G7	-	M7	P7	U7	Q7	V7	N7	R7

Volts	24	48	110	115	220	230	250	400	440
LC1F115F330									
(coil LX4 F)	BD	ED	FD	GD	MD	MD	UD	-	RD
LC1F400F330, F1250									
(coil LX4 F)	-	ED	FD	GD	MD	-	UD	-	RD
LC1F780, LC1F1000, F1400,	F1700), F210	00, F26	00					
(coil LX4 F)	-	-	FD	GD	MD	-	UD	-	RD
LC1F800									
(coil LX4 F)	-	-	FW	FW	MW	MW	-	QW	-

(1) F7 for LC1F630 (2) Coil LX4 F8•• + rectifier DR5TE••.

Exemples

2600

2600 A - 3P

LC1F 115 M7

Single contactor • 115 A AC-3 rated current • 220V AC coil • screw-type terminals

LC1F 1250 MD

Single contactor • 1260 A AC-1 rated current • 220V DC coil

LC2F 265

Reverser contactor assembly • 265 A AC-3 rated current (add 2 x LX1FH2202 coils for 230V AC control)

Commercial references

TeSys F contactors offer great performance for large motor starting and resistive loads applications.

- screw-type terminals for lugs or bars
- AC, DC coils, low consumption electronic DC coils for direct control from PLC output.

Check for details, accessories, auxiliaries in TeSys catalogue ref. MKTED210011EN - chapter B9.

2, 3 and 4 NO pole TeSys F contactors







AC3 ⁽¹⁾ rating (A)	AC1 rating (A)	2 poles	3 poles	4 poles
(up to 440 V)	(≤1000 V)			
115	200		LC1F115••	LC1F1154••
150	200		LC1F150••	LC1F1504••
185	275		LC1F185••	LC1F1854••
225	315		LC1F225••	LC1F2254••
265	350		LC1F265••	LC1F2654••
330	400		LC1F330••	LC1F3304••
400	500	LC1F4002•	LC1F400••	LC1F4004••
500	700	LC1F5002••	LC1F500••	LC1F5004••
630	1000	LC1F6302••	LC1F630••	LC1F6304••
780	1600		LC1F780••	LC1F7804••
800	1000		LC1F800••	
1000	1250		LC1F1000••	
	1260		LC1F1250•• (2)	
	1400		LC1F1400••	
	1700		LC1F1700••	
	2100		LC1F2100••	
	2600		LC1F2600••	

Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; other codes, see page 61)

(1) AC3 rating is defined for 3P contactors only

(2) ≤ 690 V.

Terminal adaptors

For contactors: LC1F115, 150, 185



Insulated terminal blocks Lot of 2 LA9F103

Tightening: with hex key (through front round hole) Acceptable conductors.





16 mm² - 150 mm² AWG6 - 300 MCM

16 mm² - 95 mm² AWG6 - AWG 3 / 0 16 mm² - 95 mm² AWG6 - AWG 3 / 0



2-12 x 20 mm² 2-16 x 20 mm²

For contactors: LC1F115 LC1F150, 185 LC1F225, 265, 330, 400, 500 LC1F630, 800



Power terminal protection Lot of 6 shrouds

LA9F701 LA9F702 LA9F703 LA9F704 Prevent from contact with live terminals.

LA9F701	> LC1F115
LA9F702	> LC1F150, 185
LA9F703	> LC1F225500
LA9F704	> LC1F630, 800



Control circuit take-off DZ3FA3 DZ3GA3

DZ3HA3 DZ3JA3

Ring to be placed under the head of terminal screw.

DZ3FA3: for M6 bolt	> LC1F115
DZ3GA3: for M8 bolt	> LC1F150, 185
DZ3HA3: for M10 bolt	> LC1F225500
DZ3JA3: for M12 bolt	> LC1F630, 800

For contactors: LC1F 1400 to 2600





Phase separators LA9F801

Lot of 4

Lot of 10

Reinforce insulation between terminals.

63

Terminal adaptors

For contactors: LC1F115 LC1F150, 185 LC1F225, 265, 330, 400 LC1F500 LC1F630, 800





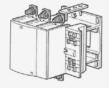


Right angle, 2 holes connection adaptor (set of 3)

LA9FF981 LA9FG981 LA9FJ981 LA9FK981 LA9FL981 For use when cables come from rear of contactor terminals

15 mm width 20 mm width 25 mm width 30 mm width 40 mm width





Large surface 4 holes connection adaptor (set of 3)

LA9FF979 LA9FG979 LA9FJ979 LA9FK979 LA9FL979 For use when cables come from side of contactor terminals

15 mm width 20 mm width 25 mm width 30 mm width 40 mm width





Large surface 5 holes connection adaptor (set of 3)

LA9FF980 LA9FG980 LA9FJ980 LA9FK980 LA9FL980 For use when cables come from top of contactor terminals

15 mm width 20 mm width 25 mm width 30 mm width 40 mm width



Set of connection links (set of 3)

LA7F401 LA7F402 LA7F407 LA7F403 LA7F404 LA7F405 LA7F406 For connection of a LC1F contactor to LR9F overload thermal relay **LA7F... compatibility**

401: LC1F115

 with LR9F5.57, 63, 67, 69, F69, F71

 402: LC1F150, 185

 with LR9F5.57, 63

 407: LC1F185

with LR9F5.71, LR9F71 403: LC1F225, 265

with LR9F5.71, LR9F71 404: LC1F225...400

with LR9F7.75, 79, LR9F75, F79 404: LC1F400

with LR9F7.81, LR9F81 405: LC1F500

with LR9F7.75, 79, 81, LR9F75, 79, 81 406: LC1F630, 800

with LR9F7.81, LR9F81

For contactors: LC1F1250 LC1F1000, 1400, 1700, 2100, 2600



LA9F1250 (6 pieces)



LA9F2100 (6 pieces)



LA9F2600

Right-angled, connection adaptor (set of 6)

LA9F1250 LA9F2100 LA9F2600 LA9F1250 - 60 mm width for LC1F1250

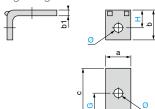
LA9F2100 - 60 mm width for LC1F1000, 1400, 1700, 2100

LA9F2600 - 100 mm width for LC1F2600

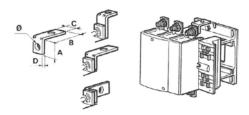
Dimensions

1 hole connector

Right-angled connectors LA9 F • 981 (set of 3) for rear connection

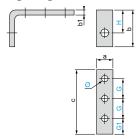


LA9	FF981	FG981	FJ981	FK981	FL981
а	15	20	25	30	40
b	18	23	29	35	48
b1	3	3	4	5	8
С	42	45	55	52	86
G	24	26	32.5	26	45
Н	10.5	13	16.5	20	28
Ø	6.5	9	11	11	13



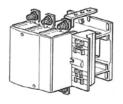
3 hole connector

Right-angled connectors LA9 F•979 (set of 3) for side connection



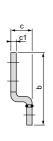
LA9	FF979	FG979	FJ979	FK979	FL979
а	15	20	25	30	40
b	54	58	63.5	68	117
b1	5	5	6	6	10
С	80	92	120	120	130
G	24	28	37	37	37.5
G1	20	22	29	29	35
Н	36	39	41	42	76
Ø	6.5	9	11	11	13

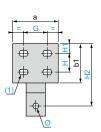




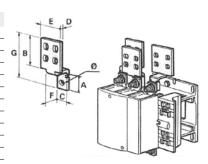
Large surface area connector

Right-angled connectors LA9 •980 with large surface area (set of 3)



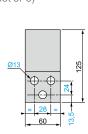


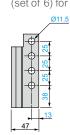
LA9	FF980	FG980	FJ980	FK980	FL980
а	35	40	50	60	100
b	70.5	82.5	98.5	114	154
b1	40	45	55	65	85
С	29	29	33	33	43
c1	3	3	5	5	10
G	18	20	25	29	53
Н	18	20	22	26	40
H1	10	12	14	17	20
H2	60.5	72.5	84.5	97	132
Ø	6.5	9	11	11	13
(1)	Ø7 x 10	Ø9 x 12	Ø11 x 14	Ø12.5 x 15	Ø12.5 x 15

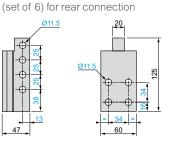


Right-angled connectors

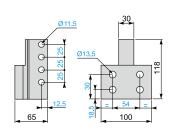
Right-angled connectors LA9 F1250 (set of 6)

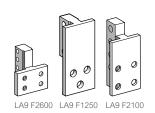






Right-angled connectors LA9 F2600 (set of 6) for rear connection





Connectors for mounting a thermal overload relay beneath a reversing contactor or star-delta contactors

	LA7F401	LA7F402	LA7F403	LA7F404	LA7F405	LA7F4	-06	LA7F4	107
Number of parts	3x	3x	3x	3x	3x	2x	1x	2x	1x
Longitudinal center to center distance	38.5	36	49.5	48	44	55.9	55.9	25	25
Transversal center to center distance						25		8	
Overall length	48.5	56	77.5	76	74	93.9	93.9	47	46.5
Overall width						60		30.5	
Thickness	3	3	4	4	6	6	6	3	3

Right-angled connectors LA9 F2100



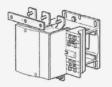
LA7F401... 403

LA7F407

Pole interconnections links for 3P contactors

For contactors: LC1F115... 800





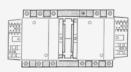
Short circuit link

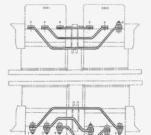
LA9FF601 LA9FG601 LA9FH601 LA9FK601 LA9FL601

For use in Star-Delta application (1 needed)

15 mm width for LC1F115 20 mm width for LC1F150, 185 25 mm width for LC1F 225...400 30 mm width for LC1F500 40 mm width for LC1F630, 800







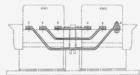
Parallel + reversing link kit

LA9FF976 LA9F15076 LA9FG976 LA9F22576 LA9FH976 LA9FJ976 LA9FK976 LA9FL976

For use in motor reverser starter application

for > LC1F115 > LC1F150 > LC1F185 > LC1F225 > LC1F265 > LC1F330, 400 > LC1F500 > LC1F630, 800





Reversing links

LA9FF982 LA9F15082 LA9FG982 LA9F22582 LA9FH982 LA9FJ982 LA9FK982 LA9FL982

For use in motor reverser starter application

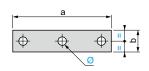
> LC1F115 > LC1F150 > LC1F185 > LC1F225 > LC1F265 > LC1F330, 400 > LC1F500 > LC1F630, 800

Dimensions

Short circuit link

Links for "star" connection of 3 poles - LA9 F-601





LA9	FF601	FG601	FH601	FK601	FL601
а	69	100	121	140	200
b	15	20	20	30	40
С	3	3	5	5	8
Ø	6.5 x 8.5	8.5 x 10.5	10.5 x 13	11	13

Parallel / reversing bars

		LA9FF976	LA9F15076	LA9FG976	LA9F22576	LA9FH976	LA9FJ976	LA9FK976	LA9FL976
Bars' thickness	s (mm)	3	3	3	4	4	5	6	8
E1		77	71	78	62	100	107	112	137
E2		151	151	158	158	196	203	222	297
E3		225	231	238	254	292	299	332	457
E4		114	111	118	110	148	155	167	217
Overall height	6-2	3	3	3	4	4	5	6	8
	4-4	44	44	44	49	50.5	48	49	57
	2-6	61	61	61	69	70	67	70	78.5
	5-3	33	33	38	39	39	42	45	56
	3-1	33	33	38	39	39	42	45	56
	1-5	61	61	61	69	70	67	70	78.5

Terminal adaptors for 3P contactors

For contactors: LC1F4002, 5002, 6302



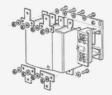
Power terminal protection shrouds (Set of 6)

LA9F703 LA9F704 Prevent from contact with lives terminals LA9F703 > for LC1F4002, 5002 LA9F704 > for LC1F6302

Interconnection pole links for 4P contactors

For contactors: LC1F1154... 6304





Parallel pole link (set of 4)

LA9FF602

LA9FG602 LA9FH602 LA9FK602 LA9FL602 For connecting a pair of poles in parallel on a single contactor for > LC1F1154

> LC1F1504, 1854 > LC1F2254, 2654, 3304, 4004

> LC1F5004 > LC1F6304

Parallel links (set of 4)

LA9FF976 LA9F15076 LA9FG976 LA9F22576 LA9FH976 LA9FJ976 LA9FK976 For use in changeover app. (4P contactors -downstream parallel connection of poles)

for >LC1F1154 >LC1F1504 >LC1F1854 >LC1F2254 >LC1F2264 >LC1F3304, 4004 >LC1F53004 >LC1F6304

Power terminal protection shroud (set of 8)

LA9F706 LA9F707 LA9F708 LA9F709

LA9FL976

For use in motor reverser starter application

or > LC1F1154

> LC1F1504, 1854

> LC1F2254, 2654, 3304, 4004, 5004

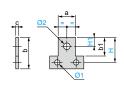
> LC1F6304

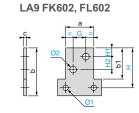
Dimensions

Parallel connection of poles

Paralleling links (lot of 4)

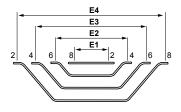
LA9 FF602, FG602, FH602





LA9	FF602	FG602	FH602	FK602	FL602
а	25	30	40	50	60
b	45	55	60	85	100
b1	30	35	40	55	65
С	4	5	8	10	10
G	_	_	_	22	26
Н	37.5	45	52.5	70	85
H1	12.5	15	15	14	17
H2	_	_	_	22	26
Ø1	6.5	9	11	11	13
Ø2	11	11	13	11	14

Parallel links



	LA9FF977	LA9F15077	LA9FG977	LA9F22577	LA9FH977	LA9FJ977	LA9FK977	LA9FL977
Bars' thic	kness (mm	1)						
	3	3	3	4	4	5	6	8
Width								
E1	77	71	78	54	100	107	112	137
E2	151	151	158	150	196	203	222	297
E3	225	231	238	246	292	299	332	457
E4	299	311	318	342	388	395	442	617
Overall h	eight							
4-8	3	3	3	4	4	5	6	8
3-7	44	44	44	49	50.5	48	49	57
2-6	61	61	61	69	70	67	70	78.5
1-5	78	78	78	89	91	87	91	105

Mechanical interlocking accessories

Mechanical interlocks for a pair of 3-4P contactors - horizontally mounted

For contactors: LC1F115 ... LC1F800



Set of 2 mechanical horizontal interlocks.

LA9FF970 LA9FG970 LA9FJ970 LA9FL970 Fixing screws enclosed. Top to tail mounting See contactors allocation table below.

Quick interlocking finder

	LC1F115 LC1F1154	LC1F150 LC1F1504	LC1F185 LC1F1854	LC1F225 LC1F2254	LC1F265 LC1F2654	LC1F330 LC1F3304	LC1F400 LC1F4004	LC1F500 LC1F5004	LC1F630 LC1F630	LC1F780 LC1F7804	LC1F800
LC1F115 LC1F1154	LA9FF970	LA9FF970	-	-	-	-	-	-	-	-	-
LC1F150 LC1F1504	LA9FF970	LA9FF970	-	-	-	-	-	-	-	-	-
LC1F185 LC1F1854	-	-	LA9FG970	LA9FG970	-	-	-	-	-	-	-
LC1F225 LC1F2254	-	-	LA9FG970	LA9FG970	-	-	-	-	-	-	-
LC1F265 LC1F2654	-	-	-	-	LA9FJ970	LA9FJ970	-	-	-	-	-
LC1F330 LC1F3304	-	-	-	-	LA9FJ970	LA9FJ970	-	-	-	-	-
LC1F400 LC1F4004	-	-	-	-	-	-	LA9FJ970	-	-	-	-
LC1F500 LC1F5004	-	-	-	-	-	-	-	LA9FJ970	-	-	-
LC1F630 LC1F630	-	-	-	-	-	-	-	-	LA9FL970	-	LA9FL970
LC1F780 LC1F7804	-	-	-	-	-	-	-	-	-	-	-
LC1F800	-	-	-	-	-	-	-	-	LA9FL970	-	LA9FL970

Mechanical interlocking accessories

Mechanical interlocks for a pair of 3-4P contactors - vertically mounted (biggest on top)

For contactors: LC1F115 to LC1F2254 with LC1F115 to LC1F2254



Mechanical horizontal interlocks.

LA9FF4F LA9FG4F LA9FG4G Fixing screws enclosed. Top to tail mounting

See contactors allocation table below.

For contactors: LC1F115 to LC1F2254 with LC1F265 to LC1F630 or with LC1F800



LA9FH4F LA9FJ4F LA9FJ4G LA9FK4F LA9FK4G LA9FL4F LA9FL4F 1 square angled mechanical mounting included, for contactor with rating from 265 to 800, except 780.

For contactors: LC1F265 to LC1F630 With LC1F265 to LC1F630 or with LC1F800



LA9FH4H LA9FJ4H LA9FJ4J LA9FK4H LA9FK4J LA9FK4K LA9FL4H LA9FL4J LA9FL4L 2 square angled mechanical mountings included.

For contactors: LC1F780, 7804 with LC1F780, 7804





LA9FX970

Quick interlocking finder

	LC1F115 LC1F1154	LC1F150 LC1F1504	LC1F185 LC1F1854	LC1F225 LC1F2254	LC1F265 LC1F2654	LC1F330 LC1F3304	LC1F400 LC1F4004	LC1F500 LC1F5004	LC1F630 LC1F630	LC1F780 LC1F7804	LC1F800
LC1F115 LC1F1154	LA9FF4F	LA9FF4F	LA9FG4F*	LA9FG4F*	LA9FH4F*	LA9FH4F*	LA9FJ4F*	LA9FK4F*	LA9FL4F*	-	LA9FL4F*
LC1F150 LC1F1504	LA9FF4F	LA9FF4F	LA9FG4F*	LA9FG4F*	LA9FH4F*	LA9FH4F*	LA9FJ4F*	LA9FK4F*	LA9FL4F*	-	LA9FL4F*
LC1F185 LC1F1854	LA9FG4F*	LA9FG4F*	LA9FG4G	LA9FG4G	LA9FH4G*	LA9FH4G*	LA9FJ4G*	LA9FK4G*	LA9FL4G*	-	LA9FL4G*
LC1F225 LC1F2254	LA9FG4F*	LA9FG4F*	LA9FG4G	LA9FG4G	LA9FH4G*	LA9FH4G*	LA9FJ4G*	LA9FK4G*	LA9FL4G*	-	LA9FL4G*
LC1F265 LC1F2654	LA9FH4F*	LA9FH4F*	LA9FH4G*	LA9FH4G*	LA9FH4H	LA9FH4H	LA9FJ4H*	LA9FK4H*	LA9FL4H*	-	LA9FL4H*
LC1F330 LC1F3304	LA9FH4F*	LA9FH4F*	LA9FH4G*	LA9FH4G*	LA9FH4H	LA9FH4H	LA9FJ4H*	LA9FK4H*	LA9FL4H*	-	LA9FL4H*
LC1F400 LC1F4004	LA9FJ4F*	LA9FJ4F*	LA9FJ4G*	LA9FJ4G*	LA9FJ4H*	LA9FJ4H*	LA9FJ4J	LA9FK4J	LA9FL4J*	-	LA9FL4J*
LC1F500 LC1F5004	LA9FK4F*	LA9FK4F*	LA9FK4G*	LA9FK4G*	LA9FK4H*	LA9FK4H*	LA9FK4J*	LA9FK4K	LA9FL4K*	-	LA9FL4K*
LC1F630 LC1F630	LA9FL4F*	LA9FL4F*	LA9FL4G*	LA9FL4G*	LA9FL4H*	LA9FL4H*	LA9FL4J*	LA9FL4K*	LA9FL4L	-	LA9FL4L
LC1F780 LC1F7804	-	-	-	-	-	-	-	-	-	LA9FX970 (3P) LA9FX971 (4P)	-
LC1F800	LA9FL4F*	LA9FL4F*	LA9FL4G*	LA9FL4G*	LA9FL4H*	LA9FL4H*	LA9FL4J*	LA9FL4K*	LA9FL4L	-	LA9FL4L

^{*} Biggest on top.

Mechanical interlocking accessories

Mechanical interlocks for 3 x 3-4P contactors - vertically mounted (biggest on top)

For contactors: LC1F415 to LC1F5005 with LC1F115 to LC1F5004 and with LC1F115 to LC1F5004



Vertical interlocking kit for 3 contactors

LA9FF4F4F to LA9FK4K4K

See reference coding principle below.

1 square angled mechanical mounting included per driven contactor LC1F265 to 5004.

For contactors: LC1F630 to LC1F8004 withLC1F630 to LC1F8004 and with LC1F630 to LC1F8004



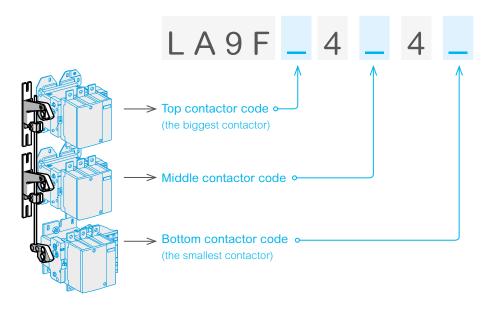
Vertical interlocking kit for 3 contactors

LA9FL4F4F to LA9FL4L4L

See reference coding principle below.

1 square angled mechanical mounting included per driven contactor LC1F265 to 8004.

Interlocking kit: reference coding principle



Code	Contactor
F	LC1F115 - LC1F1154
	LC1F150 - LC1F1504
G	LC1F185 - LC1F1854
G	LC1F225 - LC1F2254
н	LC1F265 - LC1F2654
п	LC1F330 - LC1F3304
J	LC1F400 - LC1F4004
K	LC1F500 - LC1F5004
	LC1F630 - LC1F6304
L	LC1F800 - LC1F8004
	-

Example

Top: LC1F630 Middle: LC1F330 Bottom: LC1F115

Corresponding kit: LA9FL4H4F

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Control Panel - Technical Guide

Life Is On Schneider

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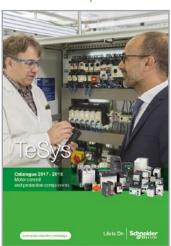


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