

TeSys D contactor - 3P(3 NO) - AC-3 - <= 440 V 65 A - 24 V DC standard coil

LC1D65ABD

Main

Range	TeSys TeSys Deca	
Range of product	TeSys Deca	
Product or component type	Contactor	
Device short name	LC1D	
Contactor application	Motor control Resistive load	
Utilisation category	AC-4 AC-1 AC-3 AC-3e	
Poles description	3P	
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	
[le] rated operational current	80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 65 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 65 A (at <60 °C) at <= 440 V AC AC-3e for power circuit	
[Uc] control circuit voltage	24 V DC	

Complementary

Motor power kW	11 kW at 400 V AC 50/60 Hz (AC-4)	
	18.5 kW at 220230 V AC 50/60 Hz (AC-3)	
	30 kW at 380400 V AC 50/60 Hz (AC-3)	
	37 kW at 500 V AC 50/60 Hz (AC-3)	
	37 kW at 660690 V AC 50/60 Hz (AC-3)	
	18.5 kW at 220230 V AC 50/60 Hz (AC-3e)	
	30 kW at 380400 V AC 50/60 Hz (AC-3e)	
	37 kW at 500 V AC 50/60 Hz (AC-3e)	
	37 kW at 660690 V AC 50/60 Hz (AC-3e)	
Motor power hp	40 hp at 460/480 V AC 50/60 Hz for 3 phases motors	
	5 hp at 115 V AC 50/60 Hz for 1 phase motors	
	10 hp at 230/240 V AC 50/60 Hz for 1 phase motors	
	20 hp at 200/208 V AC 50/60 Hz for 3 phases motors	
	20 hp at 230/240 V AC 50/60 Hz for 3 phases motors	
	50 hp at 575/600 V AC 50/60 Hz for 3 phases motors	
Compatibility code	LC1D	
Pole contact composition	3 NO	
Protective cover	With	
[Ith] conventional free air thermal	10 A (at 60 °C) for signalling circuit	
current	80 A (at 60 °C) for power circuit	
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1	
	250 A DC for signalling circuit conforming to IEC 60947-5-1	
	1000 A at 440 V for power circuit conforming to IEC 60947	
	1000 A at 440 V for power circuit conforming to IEC 60947	

13 Aug 2025

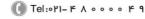
Life Is On Schneider

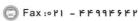
1





afamco_group







Poted brooking conscitu	4000 A at 440 V for a superior it and forming to IFO 00047
Rated breaking capacity	1000 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand	640 A 40 °C - 10 s for power circuit
current	900 A 40 °C - 1 s for power circuit
	110 A 40 °C - 10 min for power circuit
	260 A 40 °C - 1 min for power circuit
	100 A - 1 s for signalling circuit
	120 A - 500 ms for signalling circuit
	140 A - 100 ms for signalling circuit
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
	125 A gG at <= 690 V coordination type 1 for power circuit
	125 A gG at <= 690 V coordination type 2 for power circuit
Average impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit
Power dissipation per pole	9.6 W AC-1
	6.3 W AC-3
	6.3 W AC-3e
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified
	Power circuit: 600 V UL certified
	Signalling circuit: 690 V conforming to IEC 60947-1
	Signalling circuit: 600 V CSA certified
	Signalling circuit: 600 V UL certified
	Power circuit: 690 V conforming to IEC 60947-4-1
Overvoltage category	III
Pollution degree	3
	3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1
	B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO
	13849-1
Mechanical durability	10 Mcycles
Electrical durability	0.5 Mcycles 80 A AC-1 at Ue <= 440 V
	1.45 Mcycles 65 A AC-3 at Ue <= 440 V
	1.45 Mcycles 65 A AC-3e at Ue <= 440 V
Control circuit type	DC standard
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.10.3 Uc (-4070 °C):drop-out DC
-	0.751.25 Uc (-4060 °C):operational DC
	11.25 Uc (6070 °C):operational DC
Inrush power in W	19 W (at 20 °C)
Hold-in power consumption in W	7.4 W at 20 °C
Operating time	50 ±15 % ms closing
,	1624 ms opening
Time constant	34 ms
Maximum operating rate	2600 and but 60 °C
Maximum operating rate	3600 cyc/h at 60 °C

@ @famco_group



Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end	
Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without cable end	
Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end	
Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end	
Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: solid without cable end	
Control circuit: screw clamp terminals 2 14 mm ² - cable stiffness: solid without cable end	
Power circuit: screw connection 1 135 mm² - cable stiffness: flexible without cable end	
Power circuit: screw connection 2 125 mm² - cable stiffness: flexible without cable end	
Power circuit: screw connection 1 135 mm ² - cable stiffness: flexible with cable end Power circuit: screw connection 2 125 mm ² - cable stiffness: flexible with cable end Power circuit: screw connection 1 135 mm ² - cable stiffness: solid without cable	
end Power circuit: screw connection 2 125 mm² - cable stiffness: solid without cable end	
Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver flat Ø	
6 mm Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver	
Philips No 2 Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm²	
hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 125 mm² hexagonal screw head 4 mm	
Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver pozidriv No 2	
Power circuit: 2.5 N.m - on EverLink BTR screw connectors - with screwdriver pozidriv No 2	
1 NO + 1 NC	
type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1	
25400 Hz	
17 V for signalling circuit	
5 mA for signalling circuit	
> 10 MOhm for signalling circuit	
1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact	
Plate Rail	
EN 60947-4-1	
EN 60947-5-1 IEC 60947-4-1	
IEC 60947-5-1	
CSA C22.2 No 14	
UL 60947-4-1 IEC 60335-2-40:Annex JJ	
UL 60335-2-40:Annex JJ	
IEC 60335-1:Clause 30.2	
CCC	
UL CR Schama	
CB Scheme	
CSA CE	
CSA	
CSA CE	

13 Aug 2025

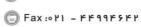
⊗ www.famcocorp.com

E-mail: info@famcocorp.com
@ @famco_group





Life Is On Schneider





Protective treatment	TH conforming to IEC 60068-2-30	
Climatic withstand	conforming to IACS E10 exposure to damp heat conforming to IEC 60947-1 Annex Q category D exposure to damp heat	
Permissible ambient air temperature around the device	-4060 °C 6070 °C with derating	
Operating altitude	03000 m	
Fire resistance	850 °C conforming to IEC 60695-2-1	
Flame retardance	V1 conforming to UL 94	
Mechanical robustness	Vibrations contactor open (2 Gn, 5300 Hz) Vibrations contactor closed (4 Gn, 5300 Hz) Shocks contactor closed (15 Gn for 11 ms) Shocks contactor open (10 Gn for 11 ms)	
Height	122 mm	
Width	55 mm	
Depth	120 mm	
Net weight	0.935 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.2 cm
Package 1 Width	13.5 cm
Package 1 Length	15.2 cm
Package 1 Weight	984.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.39 kg
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	77.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	174.74 kg

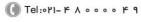
Contractual warranty

Warranty 18 months









Life Is On Schneider





Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∅ Environmental footprint	
Total lifecycle Carbon footprint	89
Environmental Disclosure	Product Environmental Profile

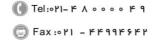
Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
PVC free	Yes

Use Again

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

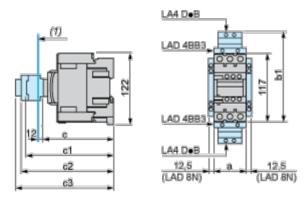
13 Aug 2025 Life Is On Schneider 5





Dimensions Drawings

Dimensions



(1) Minimum electrical clearance

a 55 b1 with LAD 4BB3 136 with LA4 DF, DT 157 c without cover or add-on blocks 118 with cover, without add-on blocks 120 c1 with LAD N (1 contact) - with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171 c3 with LAD T, R, S 171 c3 with LAD T, R, S 171 c4 with LAD T, R, S 171 c6 with LAD T, R, S 171 with LAD T, R, S 171 c7 with LAD T, R, S 171 with LAD T, R, S 171	LC1		D40AD65A
b1 with LA4 DF, DT 157 without cover or add-on blocks 118 with cover, without add-on blocks 120 with LAD N (1 contact) - with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171	а		55
with LA4 DF, DT 157 without cover or add-on blocks 118 with cover, without add-on blocks 120 with LAD N (1 contact) – with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171	h1	with LAD 4BB3	136
c with cover, without add-on blocks 120 with LAD N (1 contact) - with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171	ומן	with LA4 DF, DT	157
with cover, without add-on blocks 120 c1 with LAD N (1 contact) - with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171		without cover or add-on blocks	118
c1 with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171	C	with cover, without add-on blocks	120
with LAD N or C (2 or 4 contacts) 150 c2 with LA6 DK10 163 with LAD T, R, S 171	c1	with LAD N (1 contact)	_
with LAD T, R, S		with LAD N or C (2 or 4 contacts)	150
	c2	with LA6 DK10	163
Co	с3	with LAD T, R, S	171
with LAD T, R, S and sealing cover 175		with LAD T, R, S and sealing cover	175

Product datasheet

LC1D65ABD



Connections and Schema

Wiring



13 Aug 2025

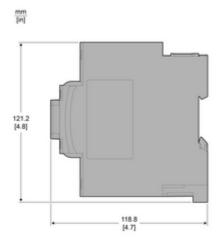
Life Is On Schneider

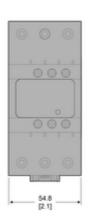
7



Technical Illustration

Assembly's dimensions





Life Is On Schneider 13 Aug 2025