

# TeSys D contactor - 3P(3 NO) - AC-3 - <= 440 V 95 A - 220 V AC 50/60 Hz coil

LC1D95M7

## Main

Range	TeSys
Range of product	TeSys Deca
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-3e AC-4 AC-1
Poles description	3P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz
[le] rated operational current	95 A (at <60 °C) at <= 440 V AC-3 for power circuit 125 A (at <60 °C) at <= 1000 V AC-1 for power circuit 95 A (at <60 °C) at <= 440 V AC-3e for power circuit
[Uc] control circuit voltage	220 V AC 50/60 Hz

# Complementary

Motor power kW	25 kW at 220230 V AC 50 Hz (AC-3)		
•	45 kW at 380400 V AC 50 Hz (AC-3)		
	45 kW at 415440 V AC 50 Hz (AC-3)		
	55 kW at 500 V AC 50 Hz (AC-3)		
	45 kW at 660690 V AC 50 Hz (AC-3)		
	15 kW at 400 V AC 50 Hz (AC-4)		
	25 kW at 220230 V AC 50 Hz (AC-3e)		
	45 kW at 380400 V AC 50 Hz (AC-3e)		
	45 kW at 415440 V AC 50 Hz (AC-3e)		
	55 kW at 500 V AC 50 Hz (AC-3e)		
	45 kW at 660690 V AC 50 Hz (AC-3e)		
Motor power hp	7.5 hp at 120 V AC 60 Hz for 1 phase motors		
	15 hp at 230/240 V AC 60 Hz for 1 phase motors		
	30 hp at 200/208 V AC 60 Hz for 3 phases motors		
	30 hp at 230/240 V AC 60 Hz for 3 phases motors		
	60 hp at 460/480 V AC 60 Hz for 3 phases motors		
	60 hp at 575/600 V AC 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	125 A (at 60 °C) for power circuit		
Irms rated making capacity	1100 A at 440 V AC for power circuit conforming to IEC 60947		
	140 A AC for signalling circuit conforming to IEC 60947-5-1		
	250 A DC for signalling circuit conforming to IEC 60947-5-1		

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

1100 A at 440 V for power circuit conforming to IEC 60947
1100 A 40 °C - 1 s for power circuit 800 A 40 °C - 10 s for power circuit 400 A 40 °C - 1 min for power circuit 135 A 40 °C - 10 min for power circuit 140 A - 100 ms for signalling circuit 120 A - 500 ms for signalling circuit 100 A - 1 s for signalling circuit
10 A gG for signalling circuit conforming to IEC 60947-5-1 200 A gG at <= 690 V coordination type 1 for power circuit 160 A gG at <= 690 V coordination type 2 for power circuit
0.8 mOhm - Ith 125 A 50 Hz for power circuit
12.5 W AC-1 7.2 W AC-3 7.2 W AC-3e
Power circuit: 1000 V conforming to IEC 60947-4-1 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
III
3
8 kV conforming to IEC 60947
B10d = 1.3 Mcycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20 Mcycles contactor with mechanical load conforming to EN/ISO 13849-1
4 Mcycles
1.2 Mcycles 95 A AC-3 1.3 Mcycles 125 A AC-1 1.2 Mcycles 95 A AC-3e
AC at 50/60 Hz standard
Without built-in suppressor module
0.81.1 Uc (-4055 °C):operational AC 50 Hz 0.851.1 Uc (-4055 °C):operational AC 60 Hz 0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 11.1 Uc (5570 °C):operational AC 50/60 Hz
245 VA 60 Hz cos phi 0.75 (at 20 °C) 245 VA 50 Hz cos phi 0.75 (at 20 °C)
26 VA 60 Hz cos phi 0.3 (at 20 °C) 26 VA 50 Hz cos phi 0.3 (at 20 °C)
610 W at 50/60 Hz
2035 ms closing 620 ms opening

Connections - terminals	Control circuit: screw clamp terminals 2 12.5 mm <sup>2</sup> - cable stiffness: flexible with cable end	
	Control circuit: screw clamp terminals 1 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: solid without cable end	
	Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end	
	Power circuit: connector 1 450 mm² - cable stiffness: flexible without cable end Power circuit: connector 2 425 mm² - cable stiffness: flexible without cable end Power circuit: connector 1 450 mm² - cable stiffness: flexible with cable end Power circuit: connector 2 416 mm² - cable stiffness: flexible with cable end Power circuit: connector 1 450 mm² - cable stiffness: solid without cable end Power circuit: connector 2 425 mm² - cable stiffness: solid without cable end	
Tightening torque	Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 12 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm Power circuit: 12 N.m - on connector hexagonal screw head 4 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
Auxiliary contact composition	1 NO + 1 NC	
Auxiliary contacts type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1	
Signalling circuit frequency	25400 Hz	
Minimum switching voltage	17 V for signalling circuit	
Minimum switching current	5 mA for signalling circuit	
Insulation resistance	> 10 MOhm for signalling circuit	
Non-overlap time	1.5 ms on de-energisation between NC and NO contact     1.5 ms on energisation between NC and NO contact	
Mounting support	Rail	

# **Environment**

Standards	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	
Product certifications	CCC UL CB Scheme CSA CE UKCA Marine EAC	
IP degree of protection	IP20 front face conforming to IEC 60529	
Protective treatment	TH conforming to IEC 60068-2-30	
Climatic withstand	conforming to IACS E10 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) Shocks contactor open (8 Gn for 11 ms) Vibrations contactor closed (3 Gn, 5300 Hz) Shocks contactor closed (10 Gn for 11 ms)	
Height	127 mm	
Width	85 mm	
Depth	130 mm	
Net weight	1.61 kg	

# **Packing Units**

PCE
1
14.000 cm
13.500 cm
9.500 cm
1.553 kg
S02
5
15.000 cm
30.000 cm
40.000 cm
8.090 kg
P06
80
75.000 cm
60.000 cm
80.000 cm
140.260 kg

# **Contractual warranty**

Warranty 18 months



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	62
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

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

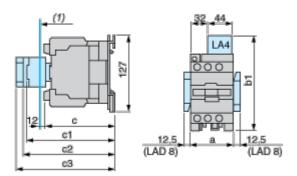
#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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## **Dimensions Drawings**

## **Dimensions**

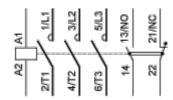


#### (1) Minimum electrical clearance

LC1	LC1		D95
а		85	85
	with LA4 D●2	135	135
b1	with LA4 DB3 or LAD 4BB3	135	_
В	with LA4 DF, DT	142	142
	with LA4 DM, DW, DL	150	150
С	without cover or add-on blocks	125	125
	with cover, without add-on blocks	130	130
c1	with LAD N (1 contact)	150	150
	with LAD N or C (2 or 4 contacts)	158	158
c2	with LA6 DK10, LAD 6DK	170	170
c3	with LAD T, R, S	178	178
	with LAD T, R, S and sealing cover	182	182

Connections and Schema

Wiring



#### Offer Marketing Illustration

#### **Product benefits / Features**



## LC1D95M7

#### Offer Marketing Illustration

#### Product benefits / Features



## LC1D95M7

**Technical Illustration** 

## Assembly's dimensions

