

## Mer om LC1D18D7

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Discover your Schneider-  
Electric tools

**LC1D18D7**

**LC1D: 3-polede kontaktorer med AC-spole til motordrift og ikke-induktive belastn**

EI-nummer: 4177260

EAN: 3389110349412



Last ned produktdatablad for LC1D18D7 3D CAD Modell

### Karakteristikk

#### Teknisk informasjon

Serie	TeSys
Produktnavn	TeSysD
Produkt eller type komponent	Kontaktor
Kortnavn utstyr	LC1D
Contactor application	Omsk last Motor control
Driftskategori	AC-1 AC-4 AC-3
Antall poler	3P
Power pole contact composition	3 NO
[Ue] merkespenning	Power circuit: <= 690 V AC 25...400 Hz Power circuit: <= 300 V DC
[Ie] nominell driftsstrøm	18 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 32 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
Motoreffekt kW	4 kW at 220...230 V AC 50/60 Hz (AC-3) 7.5 kW at 380...400 V AC 50/60 Hz (AC-3) 9 kW at 415...440 V AC 50/60 Hz (AC-3) 10 kW at 500 V AC 50/60 Hz (AC-3) 10 kW at 660...690 V AC 50/60 Hz (AC-3) 4 kW at 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	1 hp at 115 V AC 50/60 Hz for 1 phase motors 3 hp at 230/240 V AC 50/60 Hz for 1 phase motors 5 hp at 200/208 V AC 50/60 Hz for 3 phases motors 5 hp at 230/240 V AC 50/60 Hz for 3 phases motors 10 hp at 460/480 V AC 50/60 Hz for 3 phases motors 15 hp at 575/600 V AC 50/60 Hz for 3 phases motors
Kontrollkretstype	AC at 50/60 Hz
Styrespenning	42 V AC 50/60 Hz
Hjelpkontakt sammensetning	1 NO + 1 NC
[Uimp] Nominell impuls <span>spenning</span>	6 kV conforming to IEC 60947
Overspenningskategori	III

<b>[I<sub>th</sub>] fri luft termisk strøm</b>	10 A (at 60 °C) for signalling circuit 32 A (at 60 °C) for power circuit
<b>I<sub>rms</sub> rated making capacity</b>	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 300 A at 440 V for power circuit conforming to IEC 60947
<b>Rated breaking capacity</b>	300 A at 440 V for power circuit conforming to IEC 60947
<b>[I<sub>cw</sub>] kort-tids/kortslutnings merkestrøm</b>	145 A 40 °C - 10 s for power circuit 240 A 40 °C - 1 s for power circuit 40 A 40 °C - 10 min for power circuit 84 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
<b>Sikringsstørrelse</b>	10 A gG for signalling circuit conforming to IEC 60947-5-1 50 A gG at ≤ 690 V coordination type 1 for power circuit 35 A gG at ≤ 690 V coordination type 2 for power circuit
<b>Gjennomsnittlig impedanse</b>	2.5 mOhm - I <sub>th</sub> 32 A 50 Hz for power circuit
<b>[U<sub>i</sub>] isolasjonsspenning</b>	Power circuit: 690 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
<b>Elektrisk levetid</b>	1.65 Mcycles 18 A AC-3 at U <sub>e</sub> ≤ 440 V 1 Mcycles 32 A AC-1 at U <sub>e</sub> ≤ 440 V
<b>Power dissipation per pole</b>	2.5 W AC-1 0.8 W AC-3
<b>Front cover</b>	Med
<b>Montering</b>	Plate Skinne
<b>Standarder</b>	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
<b>Produktsertifikater</b>	CCC BV CSA GL RINA LROS (Lloyds register of shipping) GOST DNV UL UKCA

<b>Tilkoblingsklemmer</b>	Control circuit: screw clamp terminals 1 cable(s) 1..4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1..4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1..4 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1..2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1..4 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1..4 mm <sup>2</sup> solid without cable end Power circuit: screw clamp terminals 1 cable(s) 1.5..6 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1.5..6 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1..6 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1..4 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1.5..6 mm <sup>2</sup> solid without cable end Power circuit: screw clamp terminals 2 cable(s) 1.5..6 mm <sup>2</sup> solid without cable end
<b>Tiltrekningsmoment</b>	Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2
<b>Driftstid</b>	12...22 ms closing 4...19 ms opening
<b>Sikkerhet pålitelighet nivå</b>	B10d = 1369863 cycles contactor with nominal load conforming to ENISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to ENISO 13849-1
<b>Mekanisk levetid</b>	15 Mcycles
<b>Bruksområde</b>	3600 cyc/h 60 °C
<b>Komplementær</b>	
<b>Spiral teknologi</b>	Uten innebygd suppressor modul
<b>Control circuit voltage limits</b>	0.3...0.6 U <sub>c</sub> (-40...70 °C):drop-out AC 50/60 Hz 0.8...1.1 U <sub>c</sub> (-40...60 °C):operational AC 50 Hz 0.85...1.1 U <sub>c</sub> (-40...60 °C):operational AC 60 Hz 1...1.1 U <sub>c</sub> (60...70 °C):operational AC 50/60 Hz
<b>Inrush power in VA</b>	70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C)
<b>Hold-in strømforbruk i VA</b>	7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C)
<b>Varmeavgivelse</b>	2...3 W at 50/60 Hz
<b>Auxiliary contacts type</b>	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 Type mirror contact 1 NC conforming to IEC 60947-4-1
<b>Signale krets frekvens</b>	25...400 Hz
<b>Minimum brytestrøm</b>	5 mA for signalling circuit
<b>Minimum switching voltage</b>	17 V for signalling circuit
<b>Non-overlap time</b>	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact

Isolasjonsmotstand	> 10 MOhm for signalling circuit
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## Miljø

IP-grad	IP20 front face conforming to IEC 60529
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Protective treatment	TH conforming to IEC 60068-2-30
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Forurensninggrad	3
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Omgivelsestemperatur for drift	-40...60 °C 60...70 °C with derating
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Omgivelsestemperatur for lagring	-60...80 °C
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Operating altitude	0...3000 m
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Brannmotstand	850 °C i samsvar med IEC 60695-2-1
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Flammehemming	V1 conforming to UL 94
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Mekanisk robusthet	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
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Høyde	77 mm
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Bredde	45 mm
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Dybde	86 mm
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Vekt	0,33 kg
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## Packing Units

Enhetsstype forpakning 1	PCE
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Antall enheter forpakning 1	1
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Forpakning 1 vekt	357,65 g
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Forpakning 1 høyde	5 cm
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Forpakning 1 bredde	9,2 cm
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Forpakning 1 lengde	11,2 cm
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Enhetsstype forpakning 2	S02
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Antall enheter forpakning 2	20
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Forpakning 2 vekt	7,489 kg
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Forpakning 2 høyde	15 cm
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Forpakning 2 bredde	30 cm
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Forpakning 2 lengde	40 cm
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Enhetsstype forpakning 3	P06
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Antall enheter forpakning 3	160
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Forpakning 3 vekt	69,26 kg
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Forpakning 3 høyde	45 cm
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Forpakning 3 bredde	80 cm
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Forpakning 3 lengde	60 cm
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## Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
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REACH-regelverk	
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[REACH-erklæring](#)

REACH fri for SVHC	Ja
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<b>EU RoHS-direktiv</b>	I samsvar <a href="#">EU RoHS-erklæring</a>
<b>Fri for giftige tungmetaller</b>	Ja
<b>Kvikksølv fri</b>	Ja
<b>Informasjon om RoHS-unntak</b>	<a href="#">Ja</a>
<b>Kinas RoHS-forskrift</b>	<a href="#">Kinas RoHS-erklæring</a>
<b>Miljøinformasjon</b>	<a href="#">Produktmiljøprofil</a>
<b>Produktets livssyklus</b>	<a href="#">Informasjon om levetidsslutt</a>
<b>WEEE</b>	Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall.
<b>PVC-fri</b>	Ja
<b>Garantiperiode</b>	
<b>Garanti</b>	18 months