

Mer om LC1D25V7

- [Karakteristikk](#)
- [Download & Dokumenter](#)

Discover your Schneider-
Electric tools

**LC1D25V7**

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

EI-nummer: 4176560

EAN: 3389110350098



Last ned produktdatablad for LC1D25V7 3D CAD Modell

Karakteristikk

Teknisk informasjon

Serie	TeSys
Produktnavn	TeSys D
Produkt eller type komponent	Kontaktor
Kortnavn utstyr	LC1D
Contactor application	Omsk last Motor control
Driftskategori	AC-3 AC-4 AC-1
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	25 A (at <60 °C) at ≤ 440 V AC AC-3 for power circuit 40 A (at <60 °C) at ≤ 440 V AC AC-1 for power circuit
Motoreffekt kW	5.5 kW at 220...230 V AC 50/60 Hz (AC-3) 11 kW at 380...400 V AC 50/60 Hz (AC-3) 11 kW at 415...440 V AC 50/60 Hz (AC-3) 15 kW at 500 V AC 50/60 Hz (AC-3) 15 kW at 660...690 V AC 50/60 Hz (AC-3) 5.5 kW at 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	3 hp at 230/240 V AC 50/60 Hz for 1 phase motors 2 hp at 115 V AC 50/60 Hz for 1 phase motors 7.5 hp at 230/240 V AC 50/60 Hz for 3 phases motors 15 hp at 460/480 V AC 50/60 Hz for 3 phases motors 20 hp at 575/600 V AC 50/60 Hz for 3 phases motors 7.5 hp at 200/208 V AC 50/60 Hz for 3 phases motors
Kontrollkretstype	AC at 50/60 Hz
Styrespenning	400 V AC 50/60 Hz
Hjelpkontakt sammensetning	1 NO + 1 NC
[Uimp] Nominell impuls spenning	6 kV conforming to IEC 60947
Overspenningskategori	III

[I_{th}] fri luft termisk strøm	10 A (at 60 °C) for signalling circuit 40 A (at 60 °C) for power circuit
I_{rms} rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 450 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	450 A at 440 V for power circuit conforming to IEC 60947
[I_{cw}] kort-tids/kortslutnings merkestrøm	240 A 40 °C - 10 s for power circuit 380 A 40 °C - 1 s for power circuit 50 A 40 °C - 10 min for power circuit 120 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
Sikringsstørrelse	10 A gG for signalling circuit conforming to IEC 60947-5-1 63 A gG at ≤ 690 V coordination type 1 for power circuit 40 A gG at ≤ 690 V coordination type 2 for power circuit
Gjennomsnittlig impedanse	2 mOhm - I _{th} 40 A 50 Hz for power circuit
[U_i] isolasjonsspenning	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
Elektrisk levetid	1.65 Mcycles 25 A AC-3 at U _e ≤ 440 V 1.4 Mcycles 40 A AC-1 at U _e ≤ 440 V
Power dissipation per pole	3.2 W AC-1 1.25 W AC-3
Front cover	Med
Montering	Plate Skinne
Standarder	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Produktsertifikater	GOST CCC RINA CSA GL LROS (Lloyds register of shipping) UL DNV BV UKCA

Tilkoblingsklemmer	Control circuit: screw clamp terminals 1 cable(s) 1..4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1..4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1..4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1..2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1..4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1..4 mm ² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 2.5...10 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 2.5...10 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1...10 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.5...6 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1.5...10 mm ² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 2.5...10 mm ² solid without cable end
Tiltrekningsmoment	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 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2
Driftstid	12...22 ms closing 4...19 ms opening
Sikkerhet pålitelighet nivå	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
Mekanisk levetid	15 Mcycles
Bruksområde	3600 cyc/h 60 °C
Komplementær	
Spiral teknologi	Uten innebygd suppressor modul
Control circuit voltage limits	0.3...0.6 U _c (-40...70 °C): drop-out AC 50/60 Hz 0.8...1.1 U _c (-40...60 °C): operational AC 50 Hz 0.85...1.1 U _c (-40...60 °C): operational AC 60 Hz 1...1.1 U _c (60...70 °C): operational AC 50/60 Hz
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C)
Hold-in strømforbruk i VA	7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C)
Varmeavgivelse	2...3 W at 50/60 Hz
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
Signale krets frekvens	25...400 Hz
Minimum brytestrøm	5 mA for signalling circuit
Minimum switching voltage	17 V 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

Isolasjonsmotstand	> 10 MOhm for signalling circuit
--------------------	----------------------------------

Miljø

IP-grad	IP20 front face conforming to IEC 60529
---------	---

Protective treatment	TH conforming to IEC 60068-2-30
----------------------	---------------------------------

Forurensninggrad	3
------------------	---

Omgivelsestemperatur for drift	-40...60 °C 60...70 °C with derating
--------------------------------	---

Omgivelsestemperatur for lagring	-60...80 °C
----------------------------------	-------------

Operating altitude	0...3000 m
--------------------	------------

Brannmotstand	850 °C i samsvar med IEC 60695-2-1
---------------	------------------------------------

Flammehemming	V1 conforming to UL 94
---------------	------------------------

Mekanisk robusthet	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 8 Gn for 11 ms
--------------------	---

Høyde	85 mm
-------	-------

Bredde	45 mm
--------	-------

Dybde	92 mm
-------	-------

Vekt	0,37 kg
------	---------

Packing Units

Enhetsstype forpakning 1	PCE
--------------------------	-----

Antall enheter forpakning 1	1
-----------------------------	---

Forpakning 1 vekt	416 g
-------------------	-------

Forpakning 1 høyde	5 cm
--------------------	------

Forpakning 1 bredde	9,2 cm
---------------------	--------

Forpakning 1 lengde	11,2 cm
---------------------	---------

Enhetsstype forpakning 2	S02
--------------------------	-----

Antall enheter forpakning 2	20
-----------------------------	----

Forpakning 2 vekt	8,642 kg
-------------------	----------

Forpakning 2 høyde	15 cm
--------------------	-------

Forpakning 2 bredde	30 cm
---------------------	-------

Forpakning 2 lengde	40 cm
---------------------	-------

Enhetsstype forpakning 3	P06
--------------------------	-----

Antall enheter forpakning 3	320
-----------------------------	-----

Forpakning 3 vekt	148,9 kg
-------------------	----------

Forpakning 3 høyde	80 cm
--------------------	-------

Forpakning 3 bredde	80 cm
---------------------	-------

Forpakning 3 lengde	60 cm
---------------------	-------

Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
------------------------	-----------------------------------

REACH-regelverk	
-----------------	--

[REACH-erklæring](#)

REACH fri for SVHC	
--------------------	--

Ja

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