

## Mer om LC1D09FD

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## LC1D09FD

### Kontaktor 9A 3P 110VDC

EI-nummer: 4176593

EAN: 3389110353181



Last ned produktdatablad for LC1D09FD 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-4 AC-3 AC-1
Antall poler	3P
Power pole contact composition	3 NO
[U <sub>e</sub> ] merkespenning	Power circuit: ≤ 690 V AC 25...400 Hz Power circuit: ≤ 300 V DC
[I <sub>e</sub> ] nominell driftsstrøm	9 A (at <60 °C) at ≤ 440 V AC AC-3 for power circuit 25 A (at <60 °C) at ≤ 440 V AC AC-1 for power circuit
Motoreffekt kW	2.2 kW at 220...230 V AC 50/60 Hz (AC-3) 4 kW at 380...400 V AC 50/60 Hz (AC-3) 4 kW at 415...440 V AC 50/60 Hz (AC-3) 5.5 kW at 500 V AC 50/60 Hz (AC-3) 5.5 kW at 660...690 V AC 50/60 Hz (AC-3) 2.2 kW at 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	1 hp at 230/240 V AC 50/60 Hz for 1 phase motors 2 hp at 200/208 V AC 50/60 Hz for 3 phases motors 2 hp at 230/240 V AC 50/60 Hz for 3 phases motors 5 hp at 460/480 V AC 50/60 Hz for 3 phases motors 7.5 hp at 575/600 V AC 50/60 Hz for 3 phases motors 0.33 hp at 115 V AC 50/60 Hz for 1 phase motors
Kontrollkretstype	DC standard
Styrespenning	110 V DC
Hjelpkontakt sammensetning	1 NO + 1 NC
[U <sub>imp</sub> ] Nominell impuls <span>­</span> spenning	6 kV conforming to IEC 60947
Overspenningskategori	III

<b>[I<sub>th</sub>] fri luft termisk strøm</b>	25 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling circuit
<b>Irms rated making capacity</b>	250 A at 440 V 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
<b>Rated breaking capacity</b>	250 A at 440 V for power circuit conforming to IEC 60947
<b>[I<sub>cw</sub>] kort-tids/kortslutnings merkestrøm</b>	105 A 40 °C - 10 s for power circuit 210 A 40 °C - 1 s for power circuit 30 A 40 °C - 10 min for power circuit 61 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 25 A gG at ≤ 690 V coordination type 1 for power circuit 20 A gG at ≤ 690 V coordination type 2 for power circuit
<b>Gjennomsnittlig impedanse</b>	2.5 mOhm - I <sub>th</sub> 25 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>	0.6 Mcycles 25 A AC-1 at U <sub>e</sub> ≤ 440 V 2 Mcycles 9 A AC-3 at U <sub>e</sub> ≤ 440 V
<b>Power dissipation per pole</b>	1.56 W AC-1 0.2 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>	UL GL DNV CCC CSA LROS (Lloyds register of shipping) RINA GOST BV UKCA

<b>Tilkoblingsklemmer</b>	<p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>flexible without cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..4 mm<sup>2</sup>flexible without cable end</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>flexible with cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..2.5 mm<sup>2</sup>flexible with cable end</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>solid without cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..4 mm<sup>2</sup>solid without cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>flexible without cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..4 mm<sup>2</sup>flexible without cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>flexible with cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..2.5 mm<sup>2</sup>flexible with cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm<sup>2</sup>solid without cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..4 mm<sup>2</sup>solid without cable end</p>
<b>Tiltrekningsmoment</b>	<p>Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm</p> <p>Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2</p> <p>Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm</p> <p>Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2</p>
<b>Driftstid</b>	53.55...72.45 ms closing 16...24 ms åpne
<b>Sikkerhet pålitelighet nivå</b>	<p>B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1</p> <p>B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1</p>
<b>Mekanisk levetid</b>	30 Mcycles
<b>Bruksområde</b>	3600 cyc/h 60 °C
<b>Komplementær</b>	
<b>Spiral teknologi</b>	Innebygde toveis peak begrensende diode suppressor
<b>Control circuit voltage limits</b>	0.1...0.25 U <sub>c</sub> (-40...70 °C):drop-out DC 0.7...1.25 U <sub>c</sub> (-40...60 °C):operational DC 1...1.25 U <sub>c</sub> (60...70 °C):operational DC
<b>Tidskonstant</b>	28 ms
<b>Inrush power in W</b>	5.4 W(at 20 °C)
<b>Hold-in strømforbruk i W</b>	5.4 W at 20 °C
<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
<b>Isolasjonsmotstand</b>	> 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 open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Høyde	77 mm
Bredde	45 mm
Dybde	95 mm
Vekt	0,48 kg

## Packing Units

Enhetsstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	523,333 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	15
Forpakning 2 vekt	8,049 kg
Forpakning 2 høyde	15 cm
Forpakning 2 bredde	30 cm
Forpakning 2 lengde	40 cm

## Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	<a href="#">REACH-erklæring</a>
EU RoHS-direktiv	I samsvar <a href="#">EU RoHS-erklæring</a>
Kvikksølvfri	Ja
Informasjon om RoHS-unntak	<a href="#">Ja</a>
Kinas RoHS-forskrift	<a href="#">Kinas RoHS-erklæring</a>
Miljøinformasjon	<a href="#">Produktmiljøprofil</a>
Produktets livssyklus	<a href="#">Informasjon om levetidslutt</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