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Electric tools



LC1D12ED

Kontaktor 12A 3P 48VDC

EI-nummer: 4177200

EAN: 3389110353891



 Last ned produktdatablad for LC1D12ED  3D CAD Modell

Karakteristikk

Teknisk informasjon

Serie	TeSys
Produktnavn	TeSysD
Produkt eller type komponent	Kontaktor
Kortnavn utstyr	LC1D
Contactor application	Motor control Omsk last
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	25 A (at <60 °C) at ≤ 440 V AC AC-1 for power circuit 12 A (at <60 °C) at ≤ 440 V AC AC-3 for power circuit
Motoreffekt kW	3 kW at 220...230 V AC 50/60 Hz (AC-3) 5.5 kW at 380...400 V AC 50/60 Hz (AC-3) 5.5 kW at 415...440 V AC 50/60 Hz (AC-3) 7.5 kW at 500 V AC 50/60 Hz (AC-3) 7.5 kW at 660...690 V AC 50/60 Hz (AC-3) 3.7 kW at 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	0.5 hp at 115 V AC 50/60 Hz for 1 phase motors 2 hp at 230/240 V AC 50/60 Hz for 1 phase motors 3 hp at 200/208 V AC 50/60 Hz for 3 phases motors 3 hp at 230/240 V AC 50/60 Hz for 3 phases motors 7.5 hp at 460/480 V AC 50/60 Hz for 3 phases motors 10 hp at 575/600 V AC 50/60 Hz for 3 phases motors
Kontrollkretstype	DC standard
Styrespenning	48 V DC
Hjelpkontakt sammensetning	1 NO + 1 NC
[Uimp] Nominell impuls ­ spenning	6 kV conforming to IEC 60947
Overspenningskategori	III

[I_{th}] fri luft termisk strøm	25 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling circuit
Irms rated making capacity	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
Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947
[I_{cw}] kort-tids/kortslutnings merkestrøm	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
Sikringsstørrelse	10 A gG for signalling circuit conforming to IEC 60947-5-1 40 A gG at ≤ 690 V coordination type 1 for power circuit 25 A gG at ≤ 690 V coordination type 2 for power circuit
Gjennomsnittlig impedanse	2.5 mOhm - I _{th} 25 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	2 Mcycles 12 A AC-3 at U _e ≤ 440 V 0.8 Mcycles 25 A AC-1 at U _e ≤ 440 V
Power dissipation per pole	0.36 WAC-3 1.56 WAC-1
Front cover	Med
Montering	Skinne Plate
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	GL CCC LROS (Lloyds register of shipping) DNV CSA RINA UL BV GOST UKCA

Tilkoblingsklemmer	<p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm²flexible without cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..4 mm²flexible without cable end</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm²flexible with cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..2.5 mm²flexible with cable end</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1..4 mm²solid without cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1..4 mm²solid without cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm²flexible without cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..4 mm²flexible without cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm²flexible with cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..2.5 mm²flexible with cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 1..4 mm²solid without cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 1..4 mm²solid without cable end</p>
Tiltrekningsmoment	<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>
Driftstid	53.55...72.45 ms closing 16...24 ms åpne
Sikkerhet pålitelighet nivå	<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>
Mekanisk levetid	30 Mcycles
Bruksområde	3600 cyc/h 60 °C
Komplementær	
Spiral teknologi	With integral suppression device
Control circuit voltage limits	0.1...0.25 U _c (-40...70 °C):drop-out DC 0.7...1.25 U _c (-40...60 °C):operational DC 1...1.25 U _c (60...70 °C):operational DC
Tidskonstant	28 ms
Inrush power in W	5.4 W (at 20 °C)
Hold-in strømforbruk i W	5.4 W at 20 °C
Auxiliary contacts type	<p>Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1</p> <p>Type mirror contact 1 NC conforming to IEC 60947-4-1</p>
Signale krets frekvens	25...400 Hz
Minimum brytestrøm	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Non-overlap time	<p>1.5 ms on de-energisation between NC and NO contact</p> <p>1.5 ms on energisation between NC and NO contact</p>
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 open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Høyde	77 mm
Bredde	45 mm
Dybde	95 mm
Vekt	0,485 kg
Packing Units	
Enhetsstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	526 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	8,109 kg
Forpakning 2 høyde	15 cm
Forpakning 2 bredde	30 cm
Forpakning 2 lengde	40 cm
Enhetsstype forpakning 3	P06
Antall enheter forpakning 3	120
Forpakning 3 vekt	75,26 kg
Forpakning 3 høyde	45 cm
Forpakning 3 bredde	80 cm
Forpakning 3 lengde	60 cm
Offer Sustainability	
Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	REACH-erklæring
EU RoHS-direktiv	I samsvar EU RoHS-erklæring
Kvikksølvfri	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