

LC2D32B7

LC2D: 3-p dreieretningsvendere. Merkestrøm i
AC-3: AC-styrekrefts: 9 til 150A. DC-styrekrefts:
9 til 32A. Ferdig kablede hovedstrømkretser.



Teknisk informasjon

Serie	TeSys
Produktnavn	TeSys D
Produkt eller type komponent	Dreieretningskontaktør
Kortnavn utstyr	LC2D
Contactor application	Omsk last Motor control
Driftskategori	AC-3 AC-1
Enhetens utseende	Preassembled med rygging makt samleskinne
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	32 A (at ≤ 60 °C) at ≤ 440 V AC AC-3 for power circuit 50 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit
Motoreffekt kW	7.5 kW at 220...230 V AC 50 Hz 15 kW at 380...400 V AC 50 Hz 15 kW at 415...440 V AC 50 Hz 18,5 kW på 500 V AC 50 Hz 18,5 kW på 660...690 V AC 50 Hz
Motor power HP (UL / CSA)	2 Hp at 115 V AC 60 Hz for 1 phase motors 5 Hp på 230/240 V AC 60 Hz for 1 fase 7.5 Hp at 200/208 V AC 60 Hz for 3 phases motors 10 Hp på 230/240 V AC 60 Hz for 3 faser 20 Hp at 460/480 V AC 60 Hz for 3 phases motors 30 hp på 575/600 V AC 60 Hz for 3 faser
Kontrollkretstype	AC at 50/60 Hz
Styrespenning	24 V AC 50/60 Hz
Hjelpekontakt sammensetning	1 NO + 1 NC
[Uimp] Nominell impuls spenning	6 kV conforming to IEC 60947
Overspenningskategori	III
[Ith] fri luft termisk strøm	10 A (at 60 °C) for signalling circuit 50 A (at 60 °C) for power circuit
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 550 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	550 A at 440 V for power circuit conforming to IEC 60947
[Icw] kort-tids/ kortslutnings merkestrøm	60 A 40 °C - 10 min for power circuit 138 A 40 °C - 1 min for power circuit 260 A 40 °C - 10 s for power circuit 430 A 40 °C - 1 s 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 på ≤ 690 V koordinasjon type 1 for hovedstrøm 63 A gG at ≤ 690 V coordination type 2 for power circuit
Gjennomsnittlig impedanse	2 mOhm - Ith 50 A 50 Hz for power circuit

[Ui] 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 32 A AC-3 at Ue ≤ 440 V 1.4 Mcycles 50 A AC-1 at Ue ≤ 440 V
Power dissipation per pole	2 W AC-3 5 W AC-1
Front cover	Med
Type låsing	Mechanical
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	DNV LROS (Lloyds register of shipping) GL RINA BV GOST CSA CCC UL
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 Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² solid 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 Power circuit: screw clamp terminals 2 cable(s) 2.5... 10 mm ² solid
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 Uc (-40...70 °C):drop-out AC 50/60 Hz 0.8...1.1 Uc (-40...60 °C):operational AC 50 Hz 0.85...1.1 Uc (-40...60 °C):operational AC 60 Hz 1...1.1 Uc (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	90 mm
Dybde	92 mm
Vekt	0,797 kg

Packing Units

Enhetstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	952 g
Forpakning 1 høyde	11,5 cm
Forpakning 1 bredde	12,5 cm
Forpakning 1 lengde	14 cm
Enhetstype forpakning 2	S02
Antall enheter forpakning 2	5
Forpakning 2 vekt	5,09 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	REACH-erklæring
REACH fri for SVHC	Ja
EU RoHS-direktiv	I samsvar EU RoHS-erklæring
Fri for giftige tungmetaller	Ja
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
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