

LC1D32E7

Contacteur, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 32A, 48V AC 50/60Hz coil, screw clamp terminals



Galvenā

Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Resistive load Motor control
Utilisation category	AC-4 AC-1 AC-3 AC-3e
Polu skaits	3P
[Ue] nominālais darbības spriegums	Strāvas ķēde: <= 690 V AC 25...400 Hz Strāvas ķēde: <= 300 V DC
[Ie] rated operational current	32 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 50 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde 32 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	48 V AC 50/60 Hz

Papildinošs

Motor power kW	7,5 kW at 220...230 V AC 50/60 Hz (AC-3) 15 kW at 380...400 V AC 50/60 Hz (AC-3) 15 kW at 415...440 V AC 50/60 Hz (AC-3) 18,5 kW at 500 V AC 50/60 Hz (AC-3) 18,5 kW at 660...690 V AC 50/60 Hz (AC-3) 7,5 kW at 400 V AC 50/60 Hz (AC-4) 7,5 kW at 220...230 V AC 50/60 Hz (AC-3e) 15 kW at 380...400 V AC 50/60 Hz (AC-3e) 15 kW at 415...440 V AC 50/60 Hz (AC-3e) 18,5 kW at 500 V AC 50/60 Hz (AC-3e) 18,5 kW at 660...690 V AC 50/60 Hz (AC-3e)
Motor power hp	2 Hp at 115 V AC 50/60 Hz for 1 fāzes motors 5 Hp at 230/240 V AC 50/60 Hz for 1 fāzes motors 10 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 10 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 20 Hp at 460/480 V AC 50/60 Hz for 3 fāzes motors 25 hp at 575/600 V AC 50/60 Hz for 3 fāzes motors
Compatibility code	LC1D
Pole contact composition	3 NO
Protective cover	With
[Ith] conventional free air thermal current	10 A (at 60 °C) for signalling circuit 50 A (at 60 °C) for strāvas ķēde
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 strāvas ķēde conforming to IEC 60947
Rated breaking capacity	550 A at 440 V for strāvas ķēde conforming to IEC 60947

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[I _{cw}] rated short-time withstand current	260 A 40 °C - 10 s for strāvas ķēde 430 A 40 °C - 1 s for strāvas ķēde 60 A 40 °C - 10 min for strāvas ķēde 138 A 40 °C - 1 min for strāvas ķēde 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 63 A gG at ≤ 690 V coordination type 1 for strāvas ķēde 63 A gG at ≤ 690 V coordination type 2 for strāvas ķēde
Average impedance	2 mhm - Ith 50 A 50 Hz for strāvas ķēde
Power dissipation per pole	2 W AC-3 5 W AC-1 2 W AC-3e
[U _i] rated insulation voltage	Strāvas ķēde 690 V IEC 60947-4-1 Strāvas ķēde 600 V CSA Strāvas ķēde 600 V UL Signalling circuit 690 V IEC 60947-1 Signalling circuit 600 V CSA Signalling circuit 600 V UL
Pārsprieguma kategorija	III
Piesārņojuma pakāpe	3
[U _{imp}] rated impulse withstand voltage	6 kV IEC 60947
Safety reliability level	B10d = 1369863 cikli contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cikli contactor with mechanical load EN/ISO 13849-1
Mehāniskā izturība	15 M cikli
Electrical durability	1,65 M cikli 32 A AC-3 ≤ 440 V 1,4 M cikli 50 A AC-1 ≤ 440 V 1,65 M cikli 32 A AC-3e ≤ 440 V
Control circuit type	AC 50/60 Hz standard
Coil technology	Without built-in suppressor module
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 power consumption in VA	7,5 VA 60 Hz cos phi 0,3 (at 20 °C) 7 VA 50 Hz cos phi 0,3 (at 20 °C)
Heat dissipation	2...3 W at 50/60 Hz
Operating time	12...22 ms closing 4...19 ms opening
Maximum operating rate	3600 cikls/h 60 °C
Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 2 1...2,5 mm ² - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: ciets without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 1 2,5...10 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 2 2,5...10 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 1 1...10 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 2 1,5...6 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 1 1,5...10 mm ² - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 2 2,5...10 mm ² - cable stiffness: ciets without cable end

Tightening torque	Control circuit 1,7 N.m screw clamp terminals flat Ø 6 mm Control circuit 1,7 N.m screw clamp terminals Philips No 2 Strāvas ķēde 2,5 N.m screw clamp terminals flat Ø 6 mm Strāvas ķēde 2,5 N.m screw clamp terminals Philips No 2 Control circuit 1,7 N.m screw clamp terminals pozidriv No 2 Strāvas ķēde 2,5 N.m screw clamp terminals pozidriv No 2
Papildkontakta veids	1 NO + 1 NC
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Minimum switching voltage	17 V for signalling circuit
Minimum switching current	5 mA for signalling circuit
Insulation resistance	> 10 MOhm 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
Montāžas stiprinājums	Rail Plāksne

Vide

Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 IEC 60335-1
Produkta sertifikācija	LROS (Lloyds register of shipping) [RETURN]GL[RETURN]GOST[RETURN]RINA[RETURN]DNV[RETURN]CCC[RETURN]UL[RE
IP degree of protection	IP20 priekšpuse IEC 60529
Protective treatment	THIEC 60068-2-30
Climatic withstand	IACS E10 exposure to damp heat IEC 60947-1 Annex Q category D exposure to damp heat
Permissible ambient air temperature around the device	-40...60 °C 60...70 °C with derating
Operating altitude	0...3000 m
Fire resistance	850 °C IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	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)
Augstums	85 mm
Platums	45 mm
Dziļums	92 mm
Neto svars	0,375 kg

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,0 cm
1. iepakojuma platums	9,2 cm
1. iepakojuma garums	11,2 cm
1. iepakojuma svars	420,0 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	20
2. iepakojuma augstums	15,0 cm
2. iepakojuma platums	30,0 cm
2. iepakojuma garums	40,0 cm
2. iepakojuma svars	8,935 kg
Trešā iepakojuma vienības tips	P06
Vienību skaits 3. iepakojumā	320

3. iepakojuma augstums	77,0 cm
3. iepakojuma platums	80,0 cm
3. iepakojuma garums	60,0 cm
3. iepakojuma svars	150,18 kg

Piedāvājiēt ilgtspēju

Ilgtspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	REACH Deklarācija
Nesatur REACH SVHC	Jā
ES RoHS direktīva	Atbilstīgs ES RoHS Deklarācija
Ķīnas RoHS regula	Ķīnas RoHS Deklarācija
Vides informācijas publiskošana	Produkta Ietekme Uz Vidi
Cirkularitātes profils	Informācija Par Eksploatācijas Izbeigšanu
WEEE	Eiropas Savienības tirgū no šī produkta ir jāatbrīvojas, ievērojot noteiktu atkritumu savākšanas kārtību, un produkts nedrīkst nonākt sadzīves atkritumu tvertnēs.
Nesatur PVH	Jā

Līguma garantija

Garantija	18 months
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Dimensions



- (1) Including LAD 4BB
(2) Minimum electrical clearance

LC1		D25...D38 (3-pole)
b	without add-on blocks	85
b1	with LAD 4BB	98
	with LA4 D•2	114 ⁽¹⁾
	with LA4 DF, DT	123 ⁽¹⁾
	with LA4 DW, DL	130 ⁽¹⁾
c	without cover or add-on blocks	90
	with cover, without add-on blocks	92
c1	with LAD N or C (2 or 4 contacts)	123
c2	with LA6 DK10, LAD 6K10	135
c3	with LAD T, R, S	143
	with LAD T, R, S and sealing cover	147
(1)	Including LAD 4BB.	

Wiring

