

LC1D18BL

Palaidējs, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 18A, 24V DC zema patēriņa spole, skrūvju spaiļes



Galvenā

Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4 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	18 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 32 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde 18 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	24 V DC

Papildinošs

Motor power kW	4 kW at 220...230 V AC 50/60 Hz (AC-3) 7,5 kW at 380...400 V AC 50/60 Hz (AC-3) 9 kW at 415...440 V AC 50/60 Hz (AC-3) 10 kW at 500 V AC 50/60 Hz (AC-3) 10 kW at 660...690 V AC 50/60 Hz (AC-3) 4 kW at 400 V AC 50/60 Hz (AC-4) 4 kW at 220...230 V AC 50/60 Hz (AC-3e) 7,5 kW at 380...400 V AC 50/60 Hz (AC-3e) 9 kW at 415...440 V AC 50/60 Hz (AC-3e) 10 kW at 500 V AC 50/60 Hz (AC-3e) 10 kW at 660...690 V AC 50/60 Hz (AC-3e)
Motor power hp	1 Hp at 115 V AC 50/60 Hz for 1 fāzes motors 3 Hp at 230/240 V AC 50/60 Hz for 1 fāzes motors 5 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 5 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 10 Hp at 460/480 V AC 50/60 Hz for 3 fāzes motors 15 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 32 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 60947-5-1 300 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	300 A at 440 V for strāvas ķēde conforming to IEC 60947

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[I _{cw}] rated short-time withstand current	145 A 40 °C - 10 s for strāvas ķēde 240 A 40 °C - 1 s for strāvas ķēde 40 A 40 °C - 10 min for strāvas ķēde 84 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 50 A gG at ≤ 690 V coordination type 1 for strāvas ķēde 35 A gG at ≤ 690 V coordination type 2 for strāvas ķēde
Average impedance	2,5 mhm - I _{th} 32 A 50 Hz for strāvas ķēde
Power dissipation per pole	2,5 W AC-1 0,8 W AC-3 0,8 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 = 2000000 cikli contactor with mechanical load EN/ISO 13849-1
Mehāniskā izturība	30 M cikli
Electrical durability	1,65 M cikli 18 A AC-3 ≤ 440 V 1 M cikli 32 A AC-1 ≤ 440 V 1,65 M cikli 18 A AC-3e ≤ 440 V
Control circuit type	DC low consumption
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.1...0.3 U _c -40...70 °C drop-out DC 0.8...1.25 U _c -40...60 °C operational DC 1...1.25 U _c 60...70 °C operational DC
Inrush power in W	2,4 W 20 °C)
Hold-in power consumption in W	2,4 W 20 °C
Operating time	77 ±15 % ms closing 25 ±20 % ms opening
Time constant	40 ms
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 1,5...6 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 2 1,5...6 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 1 1...6 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 2 1...4 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 1 1,5...6 mm ² - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 2 1,5...6 mm ² - cable stiffness: ciets without cable end
Tightening torque	Strāvas ķēde 1,7 N.m screw clamp terminals flat Ø 6 mm Strāvas ķēde 1,7 N.m screw clamp terminals Philips No 2 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 Control circuit 1,7 N.m screw clamp terminals pozidriv No 2 Strāvas ķēde 1,7 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	Plāksne Rail

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	BV[RETURN]GOST[RETURN]CCC[RETURN]DNV[RETURN]LROS (Lloyds register of shipping) [RETURN]UL[RETURN]JGL[RETURN]CSA[RETURN]RINA[RETURN]UKCA
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 open 10 Gn for 11 ms) Shocks contactor closed 15 Gn for 11 ms)
Augstums	77 mm
Platums	45 mm
Dziļums	95 mm
Neto svars	0,49 kg

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,100 cm
1. iepakojuma platums	8,700 cm
1. iepakojuma garums	10,500 cm
1. iepakojuma svars	530,000 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	15
2. iepakojuma augstums	15,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	8,284 kg

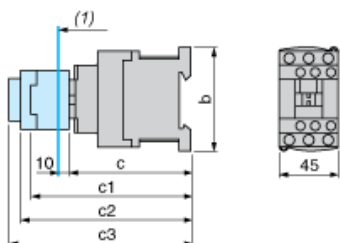
Piedāvājiēt ilgtspēju

Ilgtspējiēt piedāvājuma statuss	Green Premium izstrādājums
REACH regula	REACH Deklarācija
ES RoHS direktīva	Atbilst izņēmumiem
Nesatur toksiskus smagos metālus	Jā
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	Jā
Vides informācijas publiskošana	Produkta Ietekme Uz Vidi
Cirkularitātes profils	Informācija Par Eksploatācijas Izbeigšanu
Nesatur PVH	Jā

Līguma garantija

Garantija	18 months
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Dimensions



(1) Minimum electrical clearance

LC1		D09...D18	D093...D123	D099...D129
b		77	99	80
c	without cover or add-on blocks	93	93	93
with cover, without add-on blocks	95	95	95	
c1	with LAD N or C (2 or 4 contacts)	126	126	126
c2	with LA6 DK10	138	138	138
c3	with LAD T, R, S	146	146	146
with LAD T, R, S and sealing cover	150	150	150	

Wiring

