

LC1D150BD

Contacteur, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 150A, 24V DC standard coil, screw clamp terminals



Galvenā

Diapazons	TeSys
Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ieīces īsais nosaukums	LC1D
Contacteur application	Resistive load Motor control
Utilisation category	AC-3 AC-4 AC-1 AC-3e
Polu skaits	3P
[Ue] nominālais darbības spriegums	Strāvas ķēde: <= 1000 V AC 25...400 Hz Strāvas ķēde: <= 300 V DC
[Ie] rated operational current	200 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde 150 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 150 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	24 V DC

Papildinošs

Motor power kW	40 kW at 220...230 V AC 50/60 Hz (AC-3) 75 kW at 380...400 V AC 50/60 Hz (AC-3) 80 kW at 415...440 V AC 50/60 Hz (AC-3) 90 kW at 500 V AC 50/60 Hz (AC-3) 100 kW at 660...690 V AC 50/60 Hz (AC-3) 75 kW at 1000 V AC 50/60 Hz (AC-3) 22 kW at 400 V AC 50/60 Hz (AC-4) 40 kW at 220...230 V AC 50/60 Hz (AC-3e) 75 kW at 380...400 V AC 50/60 Hz (AC-3e) 80 kW at 415...440 V AC 50/60 Hz (AC-3e) 90 kW at 500 V AC 50/60 Hz (AC-3e) 100 kW at 660...690 V AC 50/60 Hz (AC-3e) 75 kW at 1000 V AC 50/60 Hz (AC-3e)
Motor power hp	40 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 50 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 100 Hp at 460/480 V AC 50/60 Hz for 3 fāzes motors 125 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	200 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 1660 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	1400 A at 440 V for strāvas ķēde conforming to IEC 60947

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[I _{cw}] rated short-time withstand current	250 A 40 °C - 10 min for strāvas ķēde 580 A 40 °C - 1 min for strāvas ķēde 1200 A 40 °C - 10 s for strāvas ķēde 1400 A 40 °C - 1 s 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 60947-5-1 315 A gG at ≤ 690 V coordination type 1 for strāvas ķēde 250 A gG at ≤ 690 V coordination type 2 for strāvas ķēde
Average impedance	0,6 mhm - I _{th} 200 A 50 Hz for strāvas ķēde
Power dissipation per pole	24 W AC-1 13,5 W AC-3 13,5 W AC-3e
[U _i] rated insulation voltage	Strāvas ķēde 600 V CSA Strāvas ķēde 600 V UL Strāvas ķēde 1000 V IEC 60947-4-1 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	8 kV IEC 60947
Safety reliability level	B10d = 684932 cikli contactor with nominal load EN/ISO 13849-1 B10d = 10000000 cikli contactor with mechanical load EN/ISO 13849-1
Mehāniskā izturība	8 M cikli
Electrical durability	0,85 M cikli 150 A AC-3 ≤ 440 V 1 M cikli 200 A AC-1 ≤ 440 V 0,85 M cikli 150 A AC-3e ≤ 440 V
Control circuit type	DC standard
Coil technology	With integral suppression device
Control circuit voltage limits	0.75...1.2 U _c -40...55 °C operational DC 0.15...0.4 U _c -40...70 °C drop-out DC 1...1.2 U _c 55...70 °C operational DC
Inrush power in W	270...365 W 20 °C)
Hold-in power consumption in W	2,4...5,1 W 20 °C
Operating time	20...35 ms closing 40...75 ms opening
Time constant	25 ms
Maximum operating rate	1200 cikls/h 60 °C
Connections - terminals	Control circuit: screw clamp terminals 2 1...2,5 mm ² - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 1 1...2,5 mm ² - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 1 1...2,5 mm ² - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 2 1...2,5 mm ² - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 1 1...2,5 mm ² - cable stiffness: ciets without cable end Control circuit: screw clamp terminals 2 1...2,5 mm ² - cable stiffness: ciets without cable end Strāvas ķēde: connector 1 10...120 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: connector 2 10...50 mm ² - cable stiffness: elastīgs without cable end Strāvas ķēde: connector 1 10...120 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: connector 2 10...50 mm ² - cable stiffness: elastīgs with cable end Strāvas ķēde: connector 1 10...120 mm ² - cable stiffness: ciets without cable end Strāvas ķēde: connector 2 10...50 mm ² - cable stiffness: ciets without cable end
Tightening torque	Control circuit 1,2 N.m screw clamp terminals flat Ø 6 mm Control circuit 1,2 N.m screw clamp terminals Philips No 2 Strāvas ķēde 12 N.m connector hexagonal 4 mm Control circuit 1,2 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
Produkta sertifikācija	UL[RETURN]BV[RETURN]GL[RETURN]GOST[RETURN]CSA[RETURN]CCC[RETURN]LROS (Lloyds register of shipping) [RETURN]RINA[RETURN]DNV[RETURN]UKCA[RETURN]JCE
IP degree of protection	IP20 priekšpuse IEC 60529
Protective treatment	THIEC 60068-2-30
Climatic withstand	IACS E10 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 6 Gn for 11 ms)
Augstums	158 mm
Platums	120 mm
Dziļums	136 mm
Neto svars	2,5 kg

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	17,5 cm
1. iepakojuma platums	19 cm
1. iepakojuma garums	21,5 cm
1. iepakojuma svars	2,474 kg
Otrā iepakojuma vienības tips	S06
Vienību skaits 2. iepakojumā	27
2. iepakojuma augstums	75 cm
2. iepakojuma platums	60 cm
2. iepakojuma garums	80 cm
2. iepakojuma svars	79,798 kg

Piedāvājiēt ilgspēju

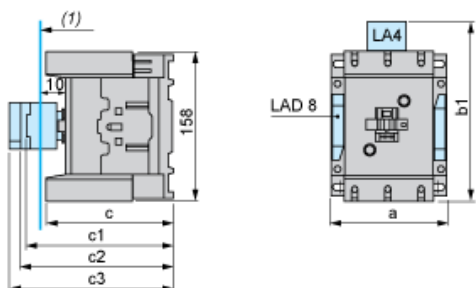
Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	 REACH Deklarācija
ES RoHS direktīva	Atbilst izņēmumiem
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	 Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	 Jā
Vides informācijas publiskošana	 Produkta Ietekme Uz Vidi
Cirkularitātes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

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) Minimum electrical clearance

LC1		D115 and D150 (3-pole)
a		120
b1	with LA4 DA2	174
with LA4 DF, DT	185	
with LA4 DM, DL	188	
with LA4 DW	188	
c	without cover or add-on blocks	132
with cover, without add-on blocks	136	
c1	with LAD N or C (2 or 4 contacts)	150
c2	with LA6 DK20	155
c3	with LAD T, R, S	168
with LAD T, R, S and sealing cover	172	

Wiring

