

LC1D18P7

Palaidējs, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 18A, 230V AC 50/60Hz spole, skrūvju spaiļes



Galvenā

Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contactora
Ierīces īsais nosaukums	LC1D
Contactora application	Motor control Resistive load
Utilisation category	AC-3 AC-1 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	230 V AC 50/60 Hz

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

The information provided in this documentation contains general descriptions and/or technical characteristics 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	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 = 20000000 cikli contactor with mechanical load EN/ISO 13849-1
Mehāniskā izturība	15 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	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 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	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	UL[RETURN]LROS (Lloyds register of shipping) [RETURN]BV[RETURN]CSA[RETURN]GOST[RETURN]GL[RETURN]CCC[RETURN]DNV[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 open 10 Gn for 11 ms) Shocks contactor closed 15 Gn for 11 ms)
Augstums	77 mm
Platums	45 mm
Dziļums	86 mm
Neto svars	0,33 kg

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,000 cm
1. iepakojuma platums	9,000 cm
1. iepakojuma garums	11,000 cm
1. iepakojuma svars	353,000 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	20
2. iepakojuma augstums	15,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	7,307 kg
Trešā iepakojuma vienības tips	P06
Vienību skaits 3. iepakojumā	320

3. iepakojuma augstums	75,000 cm
3. iepakojuma platums	80,000 cm
3. iepakojuma garums	60,000 cm
3. iepakojuma svars	124,912 kg

Piedāvājiem ilgtspēju

Ilgtspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	REACH Deklarācija
Nesatur REACH SVHC	Jā
ES RoHS direktīva	Atbilstīgs ES RoHS Deklarācija
Nesatur toksiskus smagos metālus	Jā
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	Jā
Vides informācijas publicēšana	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
-----------	-----------

Dimensions



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

LC1		D09...D18	D093...D123	D099...D129
b	without add-on blocks	77	99	80
b1	with LAD 4BB	94	107	95.5
with LA4 D•2	110 ⁽¹⁾	123 ⁽¹⁾	111.5 ⁽¹⁾	
with LA4 DF, DT	119 ⁽¹⁾	132 ⁽¹⁾	120.5 ⁽¹⁾	
with LA4 DW, DL	126 ⁽¹⁾	139 ⁽¹⁾	127.5 ⁽¹⁾	
c	without cover or add-on blocks	84	84	84
	with cover, without add-on blocks	86	86	
c1	with LAD N or C (2 or 4 contacts)	117	117	117
c2	with LA6 DK10, LAD 6K10	129	129	129
c3	with LAD T, R, S	137	137	137
	with LAD T, R, S and sealing cover	141	141	
(1)	Including LAD 4BB.			

Wiring

