

LC1D115F7

Contacteur, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 115A, 110V AC 50/60Hz 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 115 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 115 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	110 V AC 50/60 Hz

Papildinošs

Motor power kW	30 kW at 220...230 V AC 50/60 Hz (AC-3) 55 kW at 380...400 V AC 50/60 Hz (AC-3) 59 kW at 415...440 V AC 50/60 Hz (AC-3) 75 kW at 500 V AC 50/60 Hz (AC-3) 80 kW at 660...690 V AC 50/60 Hz (AC-3) 65 kW at 1000 V AC 50/60 Hz (AC-3) 18,5 kW at 400 V AC 50/60 Hz (AC-4) 30 kW at 220...230 V AC 50/60 Hz (AC-3e) 55 kW at 380...400 V AC 50/60 Hz (AC-3e) 59 kW at 415...440 V AC 50/60 Hz (AC-3e) 75 kW at 500 V AC 50/60 Hz (AC-3e) 80 kW at 660...690 V AC 50/60 Hz (AC-3e) 65 kW at 1000 V AC 50/60 Hz (AC-3e)
Motor power hp	30 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 40 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 75 Hp at 460/480 V AC 50/60 Hz for 3 fāzes motors 100 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	1260 A at 440 V for strāvas ķēde conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated breaking capacity	1100 A at 440 V for strāvas ķēde conforming to IEC 60947

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[I _{cw}] rated short-time withstand current	250 A 40 °C - 10 min for strāvas ķēde 550 A 40 °C - 1 min for strāvas ķēde 950 A 40 °C - 10 s for strāvas ķēde 1100 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	250 A gG at ≤ 690 V coordination type 1 for strāvas ķēde 200 A gG at ≤ 690 V coordination type 2 for strāvas ķēde 10 A gG for signalling circuit
Average impedance	0,6 mhm - I _{th} 200 A 50 Hz for strāvas ķēde
Power dissipation per pole	24 W AC-1 7,9 W AC-3 7,9 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	0,8 M cikli 200 A AC-1 ≤ 440 V 0,95 M cikli 115 A AC-3 ≤ 440 V 0,95 M cikli 115 A AC-3e ≤ 440 V
Control circuit type	AC 50/60 Hz standard
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.3...0.5 U _c -40...70 °C drop-out AC 50/60 Hz 0.8...1.15 U _c -40...55 °C operational AC 50/60 Hz 1...1.15 U _c 55...70 °C operational AC 50/60 Hz
Inrush power in VA	280...350 VA 60 Hz cos phi 0,8 (at 20 °C) 280...350 VA 50 Hz cos phi 0,8 (at 20 °C)
Hold-in power consumption in VA	2...18 VA 60 Hz cos phi 0,3 (at 20 °C) 2...18 VA 50 Hz cos phi 0,3 (at 20 °C)
Heat dissipation	3...8 W at 50/60 Hz
Operating time	6...20 ms opening 20...50 ms closing
Maximum operating rate	2400 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	BV[RETURN]UL[RETURN]GL[RETURN]DNV[RETURN]LROS (Lloyds register of shipping) [RETURN]RINA[RETURN]CSA[RETURN]CCC[RETURN]GOST[RETURN]UKCA[RETURN]CE
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 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	19,500 cm
1. iepakojuma platums	17,500 cm
1. iepakojuma garums	21,500 cm
1. iepakojuma svars	2,495 kg
Otrā iepakojuma vienības tips	P06
Vienību skaits 2. iepakojumā	27
2. iepakojuma augstums	75,000 cm
2. iepakojuma platums	60,000 cm
2. iepakojuma garums	80,000 cm
2. iepakojuma svars	80,311 kg

Piedāvājiem ilgspēju

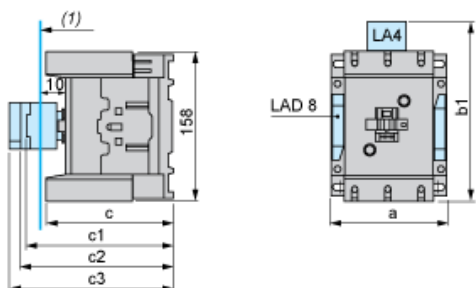
Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	REACH Deklarācija
ES RoHS direktīva	Atbilst izņēmumiem
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	Jā
Vides informācijas publicēšana	Produkta letekme Uz Vidi

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

