

LC1D25EHE

Contacteur, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 25A, 48...130V AC/DC coil, screw clamp terminals



Galvenā

Diapazons	TeSys TeSys Deca
Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Motor control Resistive load
Utilisation category	AC-3 AC-1 AC-3e
Polu skaits	3P
[Ue] nominālais darbības spriegums	Strāvas ķēde: <= 690 V AC 25...400 Hz
[Ie] rated operational current	25 A (at <60 °C) at <= 440 V AC-3 for strāvas ķēde 40 A (at <60 °C) at <= 440 V AC-1 for strāvas ķēde 25 A (at <60 °C) at <= 440 V AC-3e for strāvas ķēde
[Uc] control circuit voltage	48...130 V AC 50/60 Hz 48...130 V DC

Papildinošs

Motor power kW	5,5 kW at 220...230 V AC 50 Hz (AC-3) 11 kW at 380...400 V AC 50 Hz (AC-3) 11 kW at 415 V AC 50 Hz (AC-3) 11 kW at 440 V AC 50 Hz (AC-3) 15 kW at 500 V AC 50 Hz (AC-3) 15 kW at 660...690 V AC 50 Hz (AC-3) 5,5 kW at 220...230 V AC 50 Hz (AC-3e) 11 kW at 380...400 V AC 50 Hz (AC-3e) 11 kW at 415 V AC 50 Hz (AC-3e) 11 kW at 440 V AC 50 Hz (AC-3e) 15 kW at 500 V AC 50 Hz (AC-3e) 15 kW at 660...690 V AC 50 Hz (AC-3e)
Motor power hp	2 Hp at 115 V AC 60 Hz for 1 fāzes motors 3 Hp at 230/240 V AC 60 Hz for 1 fāzes motors 7,5 Hp at 200/208 V AC 60 Hz for 3 fāzes motors 7,5 Hp at 230/240 V AC 60 Hz for 3 fāzes motors 15 Hp at 460/480 V AC 60 Hz for 3 fāzes motors 20 hp at 575/600 V AC 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 40 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 60947-5-1 450 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	450 A at 440 V for strāvas ķēde conforming to IEC 60947
[Icw] rated short-time withstand current	100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit 50 A 40 °C - 10 min for strāvas ķēde 120 A 40 °C - 1 min for strāvas ķēde 240 A 40 °C - 10 s for strāvas ķēde 380 A 40 °C - 1 s for strāvas ķēde

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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 40 A gG at ≤ 690 V coordination type 2 for strāvas ķēde
Average impedance	2 mhm - lth 40 A 50 Hz for strāvas ķēde
Power dissipation per pole	3,2 W AC-1 1,25 W AC-3 1,25 W AC-3e
[Ui] rated insulation voltage	Strāvas ķēde 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1
Pārsprieguma kategorija	III
Piesārņojuma pakāpe	3
[Uimp] 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	2 M cikli 21 A AC-3 ≤ 440 V 0,9 M cikli 40 A AC-1 ≤ 440 V 2 M cikli 21 A AC-3e ≤ 440 V
Control circuit type	AC/DC 50/60 Hz AC/DC electronic
Coil technology	Built-in bidirectional peak limiting
Control circuit voltage limits	≤ 0.1 Uc -40...70 °C drop-out AC/DC 0.85...1.1 Uc -40...60 °C operational AC/DC 1...1.1 Uc 60...70 °C operational AC/DC
Inrush power in VA	25 VA 50/60 Hz (at 20 °C)
Inrush power in W	24 W 20 °C)
Hold-in power consumption in VA	1,3 VA 50/60 Hz (at 20 °C)
Hold-in power consumption in W	0,8 W 20 °C
Heat dissipation	0,8 W at 50/60 Hz
Operating time	45...55 ms closing 20...90 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 Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: ciets 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 Strāvas ķēde: screw clamp terminals 2 2,5...10 mm ² - cable stiffness: ciets
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 Strāvas ķēde 2,5 N.m screw clamp terminals pozidriv No 2 M4 Control circuit 1,7 N.m screw clamp terminals pozidriv No 2 M3.5
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	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60335-1
Produkta sertifikācija	CCC[RETURN]CSA[RETURN]EAC[RETURN]UL[RETURN]KC[RETURN]DNV-GL[RETURN]LROS (Lloyds register of shipping)[RETURN]UKCA
IP degree of protection	IP20 priekšpuse IEC 60529
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	0,433 kg

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,5 cm
1. iepakojuma platums	9,5 cm
1. iepakojuma garums	11,8 cm
1. iepakojuma svars	456,0 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	15
2. iepakojuma augstums	15,0 cm
2. iepakojuma platums	30,0 cm
2. iepakojuma garums	40,0 cm
2. iepakojuma svars	7,208 kg

Piedāvājiēt ilgtspēju

Ilgtspējīgs 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.
Halogēnu satura veiktspēja	Produkta plastmasas detaļas un kabeli nesatur halogēnus

Līguma garantija

Garantija	18 months
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