

# LC1D32JD

Contacteur, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 32A, 115V AC 50/60Hz coil, screw clamp terminals



## Galvenā

Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Resistive load Motor control
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	32 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 50 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde 32 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	12 V DC

## Papildinošs

Motor power kW	7,5 kW at 220...230 V AC 50/60 Hz (AC-3) 15 kW at 380...400 V AC 50/60 Hz (AC-3) 15 kW at 415...440 V AC 50/60 Hz (AC-3) 18,5 kW at 500 V AC 50/60 Hz (AC-3) 18,5 kW at 660...690 V AC 50/60 Hz (AC-3) 7,5 kW at 400 V AC 50/60 Hz (AC-4) 7,5 kW at 220...230 V AC 50/60 Hz (AC-3e) 15 kW at 380...400 V AC 50/60 Hz (AC-3e) 15 kW at 415...440 V AC 50/60 Hz (AC-3e) 18,5 kW at 500 V AC 50/60 Hz (AC-3e) 18,5 kW at 660...690 V AC 50/60 Hz (AC-3e)
Motor power hp	2 Hp at 115 V AC 50/60 Hz for 1 fāzes motors 5 Hp at 230/240 V AC 50/60 Hz for 1 fāzes motors 10 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 10 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 20 Hp at 460/480 V AC 50/60 Hz for 3 fāzes motors 25 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 50 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 60947-5-1 550 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	550 A at 440 V for strāvas ķēde conforming to IEC 60947

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[I <sub>cw</sub> ] rated short-time withstand current	260 A 40 °C - 10 s for strāvas ķēde 430 A 40 °C - 1 s for strāvas ķēde 60 A 40 °C - 10 min for strāvas ķēde 138 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 63 A gG at ≤ 690 V coordination type 1 for strāvas ķēde 63 A gG at ≤ 690 V coordination type 2 for strāvas ķēde
Average impedance	2 mhm - Ith 50 A 50 Hz for strāvas ķēde
Power dissipation per pole	2 W AC-3 5 W AC-1 2 W AC-3e
[U <sub>i</sub> ] 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 <sub>imp</sub> ] 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 32 A AC-3 ≤ 440 V 1,4 M cikli 50 A AC-1 ≤ 440 V 1,65 M cikli 32 A AC-3e ≤ 440 V
Control circuit type	DC standard
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.1...0.25 U <sub>c</sub> -40...70 °C drop-out DC 0.7...1.25 U <sub>c</sub> -40...60 °C operational DC 1...1.25 U <sub>c</sub> 60...70 °C operational DC
Inrush power in W	5,4 W 20 °C)
Hold-in power consumption in W	5,4 W 20 °C
Operating time	63 ±15 % ms closing 20 ±20 % ms opening
Time constant	28 ms
Maximum operating rate	3600 cikls/h 60 °C
Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 2 1...2,5 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 1 2,5...10 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 2 2,5...10 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 1 1...10 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 2 1,5...6 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 1 1,5...10 mm <sup>2</sup> - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 2 2,5...10 mm <sup>2</sup> - cable stiffness: ciets without cable end
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 Control circuit 1,7 N.m screw clamp terminals pozidriv No 2 Strāvas ķēde 2,5 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	LROS (Lloyds register of shipping) [RETURN]CSA[RETURN]RINA[RETURN]DNV[RETURN]UL[RETURN]BV[RETURN]GOST[RE
IP degree of protection	IP20 priekšpuse IEC&nbsp;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 8 Gn for 11 ms)
Augstums	85 mm
Platums	45 mm
Dziļums	101 mm
Neto svars	0,535 kg

## Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	5,6 cm
1. iepakojuma platums	9,4 cm
1. iepakojuma garums	12,0 cm
1. iepakojuma svars	592,0 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	9,2 kg

## Piedāvājiēt ilgtspēju

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	<a href="#">Jā</a>
Vides informācijas publicēšana	<a href="#">Produkta Ietekme Uz Vidi</a>
Cirkularitātes profils	<a href="#">Informācija Par Eksploatācijas Izbeigšanu</a>
Nesatur PVH	Jā

### Līguma garantija

Garantija	18 months
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