

# LC1DT20BD

Contacteur, TeSys Deca, 4P(4 NO), AC-1, <=440V, 20A, 24VDC standard coil, screw clamp terminal



## Galvenā

Diapazons	TeSys TeSys Deca
Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Resistive load
Utilisation category	AC-1
Polu skaits	4P
[Ue] nominālais darbības spriegums	Strāvas ķēde: <= 690 V AC 25...400 Hz Strāvas ķēde: <= 300 V DC
[Ie] rated operational current	20 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde
[Uc] control circuit voltage	24 V DC

## Papildinošs

Compatibility code	LC1D
Pole contact composition	4 NO
Protective cover	With
[Ith] conventional free air thermal current	10 A (at 60 °C) for signalling circuit 20 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 60947-5-1 250 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	250 A at 440 V for strāvas ķēde conforming to IEC 60947
[Icw] rated short-time withstand current	30 A 40 °C - 10 min for strāvas ķēde 61 A 40 °C - 1 min for strāvas ķēde 105 A 40 °C - 10 s for strāvas ķēde 210 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 25 A gG at <= 690 V coordination type 1 for strāvas ķēde 20 A gG at <= 690 V coordination type 2 for strāvas ķēde
Average impedance	2,5 mhm - Ith 20 A 50 Hz for strāvas ķēde
Power dissipation per pole	1,56 W AC-1
[Ui] rated insulation voltage	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 Strāvas ķēde 690 V IEC 60947-4-1
Pārsprieguma kategorija	III
Piesārņojuma pakāpe	3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Safety reliability level	B10d = 1369863 cikli contacteur with nominal load EN/ISO 13849-1 B10d = 20000000 cikli contacteur with mechanical load EN/ISO 13849-1
Mehāniskā izturība	30 M cikli
Control circuit type	DC standard

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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	20 ±20 % ms opening 63 ±15 % ms closing
Time constant	28 ms
Maximum operating rate	3600 cikls/h 60 °C
Connections - terminals	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: 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 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 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 2 1...2,5 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end Strāvas ķēde: screw clamp terminals 2 1...4 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 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 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	Plāksne Rail

## 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	GOST[RETURN]LROS (Lloyds register of shipping) [RETURN]UL[RETURN]CSA[RETURN]RINA[RETURN]BV[RETURN]CCC[RETURN]DNV[RETURN]
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 10 Gn for 11 ms)
Augstums	85 mm
Platums	45 mm
Dziļums	99 mm
Neto svars	0,365 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	12,0 cm
1. iepakojuma svars	558,0 g

### Piedāvājiēt ilgtspēju

Ilgtspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	<a href="#">REACH Deklarācija</a>
ES RoHS direktīva	Atbilst izņēmumiem
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	<a href="#">Ķīnas RoHS Deklarācija</a>
Informācija par RoHS izņēmumiem	<a href="#">Jā</a>
Vides informācijas publiskošana	<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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