

# LC1DT60ABD

Contacteur, TeSys Deca, 4P(4 NO), AC-1, <=440V, 60A, 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	60 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 60 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 60947-5-1 800 A at 440 V for strāvas ķēde conforming to IEC 60947
Rated breaking capacity	800 A at 440 V for strāvas ķēde conforming to IEC 60947
[Icw] rated short-time withstand current	320 A 40 °C - 10 s for strāvas ķēde 720 A 40 °C - 1 s for strāvas ķēde 72 A 40 °C - 10 min for strāvas ķēde 165 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 80 A gG at <= 690 V coordination type 1 for strāvas ķēde 80 A gG at <= 690 V coordination type 2 for strāvas ķēde
Average impedance	1,6 mhm - Ith 60 A 50 Hz for strāvas ķēde
Power dissipation per pole	5,8 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 60947-1
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	10 M cikli
Electrical durability	0,7 M cikli 60 A AC-1 <= 440 V

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Control circuit type	DC standard
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.1...0.3 U <sub>c</sub> -40...70 °C drop-out DC 0.75...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	19 W 20 °C)
Hold-in power consumption in W	7,4 W 20 °C
Operating time	50 ±15 % ms closing 16...24 ms opening
Time constant	34 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: EverLink BTR screw connectors 1 1...35 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: EverLink BTR screw connectors 2 1...25 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: EverLink BTR screw connectors 1 1...35 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: EverLink BTR screw connectors 2 1...25 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: EverLink BTR screw connectors 1 1...35 mm <sup>2</sup> - cable stiffness: ciets without cable end Strāvas ķēde: EverLink BTR screw connectors 2 1...25 mm <sup>2</sup> - cable stiffness: ciets without cable end
Tightening torque	Control circuit 1,7 N.m EverLink BTR screw connectors flat Ø 6 mm Control circuit 1,7 N.m EverLink BTR screw connectors Philips No 2 Strāvas ķēde 8 N.m EverLink BTR screw connectors 25...35 mm <sup>2</sup> hexagonal 4 mm Strāvas ķēde 5 N.m EverLink BTR screw connectors 1...25 mm <sup>2</sup> hexagonal 4 mm Control circuit 1,7 N.m EverLink BTR screw connectors pozidriv No 2 Strāvas ķēde 2,5 N.m EverLink BTR screw connectors 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	BV[RETURN]RINA[RETURN]LROS (Lloyds register of shipping) [RETURN]DNV[RETURN]CSA[RETURN]CCC[RETURN]GOST[RETURN]JUL[RETURN]JGL
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	122 mm
Platums	70 mm
Dziļums	120 mm
Neto svars	1,165 kg

### Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	7,900 cm
1. iepakojuma platums	13,900 cm
1. iepakojuma garums	15,400 cm
1. iepakojuma svars	1,149 kg
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	7
2. iepakojuma augstums	15,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	8,355 kg
Trešā iepakojuma vienības tips	P06
Vienību skaits 3. iepakojumā	112
3. iepakojuma augstums	75,000 cm
3. iepakojuma platums	60,000 cm
3. iepakojuma garums	80,000 cm
3. iepakojuma svars	141,680 kg

### Piedāvājiēt ilgtspēju

Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	 <a href="#">REACH Deklarācija</a>
Nesatur REACH SVHC	Jā
ES RoHS direktīva	Atbilstīgs  <a href="#">ES RoHS Deklarācija</a>
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	 <a href="#">Ķīnas RoHS Deklarācija</a>
Informācija par RoHS izņēmumiem	 Jā
Vides informācijas publicēšana	 <a href="#">Produkta Ietekme Uz Vidi</a>
Cirkularitātes profils	 <a href="#">Informācija Par Eksploatācijas Izbeigšanu</a>
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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