

# LC1D40ABD

Contacteur, TeSys Deca, 3P(3 NO), AC-3/  
AC-3e, <=400V, 40A, 24V DC standard coil,  
screw clamp terminals



## Galvenā

Diapazons	TeSys TeSys Deca
Produkta sērija	TeSys Deca
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LC1D
Contacteur application	Resistive load Motor control
Utilisation category	AC-4 AC-1 AC-3 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	60 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde 40 A (at <60 °C) at <= 440 V AC AC-3 for strāvas ķēde 40 A (at <60 °C) at <= 440 V AC AC-3e for strāvas ķēde
[Uc] control circuit voltage	24 V DC

## Papildinošs

Motor power kW	18,5 kW at 380...400 V AC 50/60 Hz (AC-3) 11 kW at 220...230 V AC 50/60 Hz (AC-3) 22 kW at 415...440 V AC 50/60 Hz (AC-3) 22 kW at 500 V AC 50/60 Hz (AC-3) 30 kW at 660...690 V AC 50/60 Hz (AC-3) 9 kW at 400 V AC 50/60 Hz (AC-4) 18,5 kW at 380...400 V AC 50/60 Hz (AC-3e) 11 kW at 220...230 V AC 50/60 Hz (AC-3e) 22 kW at 415...440 V AC 50/60 Hz (AC-3e) 22 kW at 500 V AC 50/60 Hz (AC-3e) 30 kW at 660...690 V AC 50/60 Hz (AC-3e)
Motor power hp	5 Hp at 230/240 V AC 50/60 Hz for 1 fāzes motors 10 Hp at 230/240 V AC 50/60 Hz for 3 fāzes motors 30 Hp at 575/600 V AC 50/60 Hz for 3 fāzes motors 10 Hp at 200/208 V AC 50/60 Hz for 3 fāzes motors 3 Hp at 115&nbsp;V AC 50/60 Hz for 1 fāzes motors 30 hp at 460/480 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 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

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[I <sub>cw</sub> ] 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	1,5 mhm - I <sub>th</sub> 60 A 50 Hz for strāvas ķēde
Power dissipation per pole	2,4 W AC-3 5,4 W AC-1 2,4 W AC-3e
[U <sub>i</sub> ] 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
[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	10 M cikli
Electrical durability	0,7 M cikli 60 A AC-1 ≤ 440 V 1,5 M cikli 40 A AC-3 ≤ 440 V 1,5 M cikli 40 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...0.3 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 20 ±20 % 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: skūvējams savienojums 1 1...35 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: skūvējams savienojums 2 1...25 mm <sup>2</sup> - cable stiffness: elastīgs without cable end Strāvas ķēde: skūvējams savienojums 1 1...35 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: skūvējams savienojums 2 1...25 mm <sup>2</sup> - cable stiffness: elastīgs with cable end Strāvas ķēde: skūvējams savienojums 1 1...35 mm <sup>2</sup> - cable stiffness: ciets without cable end Strāvas ķēde: skūvējams savienojums 2 1...25 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 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 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	CCC[RETURN]CSA[RETURN]GOST[RETURN]UL
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	55 mm
Dziļums	120 mm
Neto svars	0,925 kg

## Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	6,200 cm
1. iepakojuma platums	13,700 cm
1. iepakojuma garums	15,200 cm
1. iepakojuma svars	979,000 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	10
2. iepakojuma augstums	15,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	10,080 kg
Trešā iepakojuma vienības tips	P06
Vienību skaits 3. iepakojumā	160
3. iepakojuma augstums	75,000 cm
3. iepakojuma platums	60,000 cm
3. iepakojuma garums	80,000 cm
3. iepakojuma svars	179,280 kg

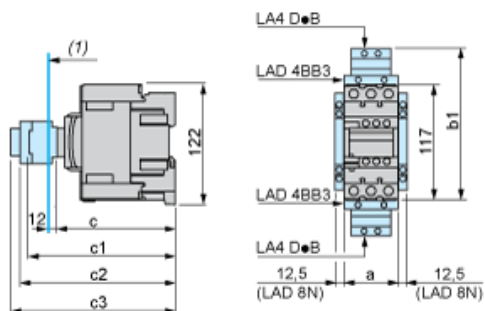
## Piedāvājiēt ilgtspēju

Ilgtspējīgs 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	<a href="#">Jā</a>
Vides informācijas publiskošana	<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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Dimensions



(1) Minimum electrical clearance

LC1		D40A...D65A
a		55
b1	with LAD 4BB3	136
	with LA4 DF, DT	157
c	without cover or add-on blocks	118
	with cover, without add-on blocks	120
c1	with LAD N (1 contact)	–
	with LAD N or C (2 or 4 contacts)	150
c2	with LA6 DK10	163
c3	with LAD T, R, S	171
	with LAD T, R, S and sealing cover	175

## Wiring

