





## Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D Green
Tip proizvoda ili komponente	Kontaktor
Kratko ime uređaja	LC1D
Primena kontaktora	Rezistivno opterećenje Upravljanje motorom
Kategorija upotrebe	AC-1 AC-3
Broj polova	3P
Power pole contact composition	3 NO
[ue] nazivni napon	Power circuit: $\leq 690$ V AC 25...400 Hz
[ie] nazivna struja	60 A (at $\leq 60$ °C) at $\leq 440$ V AC-1 for power circuit 40 A 60 °C) pri $\leq 440$ V AC-3 za kolo napajanja
Snaga motora kw	11 KW at 220...230 V AC 50 Hz (AC-3) 18.5 KW at 380...400 V AC 50 Hz (AC-3) 22 KW at 415 V AC 50 Hz (AC-3) 22 KW at 440 V AC 50 Hz (AC-3) 22 KW at 500 V AC 50 Hz (AC-3) 30 kW at 660...690 V AC 50 Hz (AC-3)
Motor power HP (UL / CSA)	3 Hp at 115 V AC 60 Hz for 1 phase motors 5 Hp at 230/240 V AC 60 Hz for 1 phase motors 10 Hp at 200/208 V AC 60 Hz for 3 phases motors 10 Hp at 230/240 V AC 60 Hz for 3 phases motors 30 Hp at 460/480 V AC 60 Hz for 3 phases motors 30 hp at 575/600 V AC 60 Hz for 3 phases motors
Napon upravljačkog kola	100...250 V AC 50/60 Hz 100...250 V DC
Tip kalema	AC/DC elektronika
Sastav pomoćnog kontakta	1 NO + 1 NC
[uimp] nazivni podnosivi impulсни napon	6 kV conforming to IEC 60947
Kategorija prenapona	III
[ith] dozvoljena termička struja u vazduhu	60 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling circuit
Irms nazivna moć uključenja	800 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1
Nazivna prekidna moć	800 A at 440 V for power circuit conforming to IEC 60947
[icw] kratkotrajna podnosiva struja kratkog spoja	72 A 40 °C - 10 min for power circuit 165 A 40 °C - 1 min for power circuit 320 A 40 °C - 10 s for power circuit 720 A 40 °C - 1 s for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit
Pripadajući osigurač	80 A gG at $\leq 690$ V coordination type 1 for power circuit 80 A gG at $\leq 690$ V coordination type 2 for power circuit 10 A gG for signalling circuit conforming to IEC 60947-5-1
Prosečna impedansa	1.5 mOhm - Ith 60 A 50 Hz for power circuit
[ui] nazivni napon izolacije	Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-1
Električna trajnost	2 Miliona ciklusa 35 A AC-3 pri $U_e \leq 440$ V 0,7 miliona ciklusa 60 A AC-1 pri $U_e \leq 440$ V
Snaga disipacije po polu	5.4 W AC-1 2.4 W AC-3

Front cover	Sa
Nosači za montažu	Ploča Šina
Standardi	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Sertifikacije proizvoda	CCC CSA EAC UL KC DNV-GL LROS (Lloyds register of shipping)
Povezivanje - priključci	Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1... 2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> solid Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> solid Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> solid Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> solid
Moment pritezanja	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 25...35 mm <sup>2</sup> hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm <sup>2</sup> hexagonal screw head 4 mm
Vreme uključenja/isključenja	55...65 ms zatvaranje 20...120 ms otvaranje >= 17221) 20...80 ms otvaranje >= 18011)
Nivo sigurnosne pouzdanosti	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mehanička trajnost	6 Mcycles
Maksimalni radni ciklus	3600 cyc/h 60 °C

## Dopunske informacije

Tehnologija kalema	Ugrađeno ograničenje u oba smera
Ograničenje napona upravljačkog kola	<= 0.1 Uc -40...70 °C propad napona AC/DC 0.85...1.1 Uc -40...60 °C u radu AC/DC 1...1.1 Uc 60...70 °C u radu AC/DC
Udarina snaga u va	18 VA 50/60 Hz 20 °C)
Udarina snaga u w	14 W pri 20 °C
Snaga držanja u va	1,8 VA 20 °C) 50/60 Hz
Snaga držanja u w	1,2 W pri 20 °C
Disipacija toplote	1,2 W pri 50/60 Hz
Tip pomoćnog kontakta	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 Type mirror contact 1 NC conforming to IEC 60947-4-1
Frekvencija signalnog kola	25...400 Hz

Minimalna struja preklapanja	5 mA for signalling circuit
Minimalni napon preklapanja	17 V for signalling circuit
Vreme nepreklapanja	1.5 Ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Otpornost izolacije	> 10 MOhm for signalling circuit
Kompatibilnost	LC1D

## Okruženje

Ip stepen zaštite	IP20 front face conforming to IEC 60529
Zaštitni tretman	TH conforming to IEC 60068-2-30
Stepen zaprljanosti	3
Temperatura okoline za rad	-40...60 °C 60...70 °C with derating
Temperatura okoline za skladištenje	-60...80 °C
Nadmorska visina za rad uređaja	0...3000 m
Otpornost na vatru	850 °C conforming to IEC 60695-2-1
Otpornost na plamen	V1 conforming to UL 94
Mehanička robusnost	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Visina	122 mm
Širina	55 mm
Dubina	120 mm
Masa proizvoda	0,992 kg
Boja	Siva (SE GREY 6) Zelena (SE GREEN 2)

## Pakovanje

Pakovanje 1 težina	1,072 kg
Pakovanje 1 visina	0,650 dm
Pakovanje 1 širina	1,370 dm
Pakovanje 1 dužina	1,520 dm

## Održivost ponude

Status održive ponude	Green Premium proizvod
Propis REACH	<a href="#">REACH Deklaracija</a>
EU RoHS direktiva	Usaglašeno <a href="#">EU RoHS Deklaracija</a>
Bez žive	Da
Informacije o RoHS izuzecima	<a href="#">Da</a>
RoHS regulativa za Kinu	<a href="#">RoHS Deklaracija Za Kinu</a>
Izjava o zaštiti okoliša	<a href="#">Profil Ekološke Prihvatljivosti Proizvoda</a>
Profil cirkularnosti	<a href="#">Informacije O Kraju Radnog Veka</a>
WEEE	Ovaj proizvod je na tržištima Evropske unije neophodno odložiti u skladu sa specifičnim smernicama za prikupljanje otpada i nikako ne sme da dospe u kontejnere za otpatke.
Učinak u vezi sa sadržajem halogena	Proizvod sa plastičnim delovima i kablovima bez halogena

## Ugovorna garancija

Garancija	18 meseci
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