





## Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D Green
Tip proizvoda ili komponente	Kontaktora za promenu smeru
Kratko ime uređaja	LC2D
Primena kontaktora	Upravljanje motorom Rezistivno opterećenje
Kategorija upotrebe	AC-3 AC-1
Prezentacija uređaja	Prefabrikovan sa promenom redosleda faza
Broj polova	3P
Power pole contact composition	3 NO
[ue] nazivni napon	Power circuit: 690 V AC 25...400 Hz
[ie] nazivna struja	80 A 60 °C) pri ≤ 440 V AC-1 za kolo napajanja 65 A 60 °C) pri ≤ 440 V AC-3 za kolo napajanja
Snaga motora kw	18.5 KW at 220...230 V AC 50 Hz 30 KW at 380...400 V AC 50 Hz 37 KW at 415 V AC 50 Hz 37 KW at 440 V AC 50 Hz 37 KW at 500 V AC 50 Hz 37 kW at 660...690 V AC 50 Hz
Motor power HP (UL / CSA)	5 Hp at 115 V AC 60 Hz for 1 phase motors 10 Hp at 230/240 V AC 60 Hz for 1 phase motors 20 Hp at 200/208 V AC 60 Hz for 3 phases motors 20 Hp at 230/240 V AC 60 Hz for 3 phases motors 40 Hp at 460/480 V AC 60 Hz for 3 phases motors 50 hp at 575/600 V AC 60 Hz for 3 phases motors
Tip upravljačkog kola	DC DC low consumption
Napon upravljačkog kola	24 V DC
Sastav pomoćnog kontakta	1 NO + 1 NC
[uimp] nazivni podnosivi impulsni napon	6 kV conforming to IEC 60947
Kategorija prenapona	III
[ith] dozvoljena termička struja u vazduhu	10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit
Irms nazivna moć uključenja	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 1000 A at 440 V for power circuit conforming to IEC 60947
Nazivna prekidna moć	1000 A at 440 V for power circuit conforming to IEC 60947
[icw] kratkotrajna podnosiva struja kratkog spoja	100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit 520 A 40 °C - 10 s for power circuit 900 A 40 °C - 1 s for power circuit 110 A 40 °C - 10 min for power circuit 260 A 40 °C - 1 min for power circuit
Pripadajući osigurač	10 A gG for signalling circuit conforming to IEC 60947-5-1 125 A gG at ≤ 690 V coordination type 1 for power circuit 125 A gG at ≤ 690 V coordination type 2 for power circuit
Prosečna impedansa	1.5 mOhm - Ith 80 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	1,8 Miliona ciklusa 57 A AC-3 pri Ue ≤ 440 V 0,5 miliona ciklusa 80 A AC-1 pri Ue ≤ 440 V

Snaga disipacije po polu	9.6 W AC-1 6.3 W AC-3
Front cover	Sa
Tip blokade	Mehanička
Nosači za montažu	Šina Ploča
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 2 cable(s) 1...25 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 2 cable(s) 1...25 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> 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):drop-out DC 0.8...1.2 Uc (-40...60 °C):operational DC 1...1.2 Uc (60...70 °C):operational DC
Udarina snaga u w	11 W at 20 °C
Snaga držanja u w	0.5 W at 20 °C
Disipacija toplote	0.5 W
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	LC2D

## 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	119 mm
Dubina	120 mm
Masa proizvoda	2,174 kg
Boja	Siva (SE GREY 6) Zelena (SE GREEN 2)

## Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	2,361 kg
Pakovanje 1 visina	14,4 cm
Pakovanje 1 širina	16,2 cm
Pakovanje 1 dužina	19,4 cm
Pakovanje 2 težina	9,933 kg

## 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	 Da
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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