

Tehničke karakteristike  
proizvoda  
Karakteristike

## LC2D80U7

TeSys D kontaktor za prom. smeru- 3P(3NO)-  
AC-3 -  $\leq$  440 V 80 A - 240 V AC kalem





## Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D
Tip proizvoda ili komponente	Kontaktor za promenu smeru
Kratko ime uređaja	LC2D
Primena kontaktora	Rezistivno opterećenje Upravljanje motorom
Kategorija upotrebe	AC-1 AC-3
Prezentacija uređaja	Prefabrikovan sa promenom redosleda faza
Broj polova	3P
Power pole contact composition	3 NO
[ue] nazivni napon	Power circuit: $\leq 1000$ V AC 25...400 Hz Power circuit: $\leq 300$ V DC
[ie] nazivna struja	125 A (at $\leq 60$ °C) at $\leq 440$ V AC AC-1 for power circuit 80 A (at $\leq 60$ °C) at $\leq 440$ V AC AC-3 for power circuit
Snaga motora kw	22 KW at 220...230 V AC 50 Hz 37 KW at 380...400 V AC 50 Hz 45 KW at 415...440 V AC 50 Hz 55 KW at 500 V AC 50 Hz 45 KW at 660...690 V AC 50 Hz 45 kW at 1000 V AC 50 Hz
Motor power HP (UL / CSA)	20 Hp at 200/208 V AC 60 Hz for 3 phases motors 7.5 Hp at 115 V AC 60 Hz for 1 phase motors 15 Hp at 230/240 V AC 60 Hz for 1 phase motors 25 Hp at 230/240 V AC 60 Hz for 3 phases motors 60 Hp at 460/480 V AC 60 Hz for 3 phases motors 60 hp at 575/600 V AC 60 Hz for 3 phases motors
Tip upravljačkog kola	AC at 50/60 Hz
Napon upravljačkog kola	240 V AC 50/60 Hz
Sastav pomoćnog kontakta	1 NO + 1 NC
[uimp] nazivni podnosivi impulsni napon	8 kV conforming to IEC 60947
Kategorija prenapona	III
[ith] dozvoljena termička struja u vazduhu	10 A (at 60 °C) for signalling circuit 125 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 1100 A at 440 V for power circuit conforming to IEC 60947
Nazivna prekidna moć	1100 A at 440 V for power circuit conforming to IEC 60947
[icw] kratkotrajna podnosiva struja kratkog spoja	135 A 40 °C - 10 min for power circuit 320 A 40 °C - 1 min for power circuit 640 A 40 °C - 10 s for power circuit 990 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	10 A gG for signalling circuit conforming to IEC 60947-5-1 200 A gG at $\leq 690$ V coordination type 1 for power circuit 160 A gG at $\leq 690$ V coordination type 2 for power circuit
Prosečna impedansa	0.8 mOhm - lth 125 A 50 Hz for power circuit

[ui] nazivni napon izolacije	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 690 V conforming to IEC 60947-1 Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1
Električna trajnost	0.8 Mcycles 125 A AC-1 at $U_e \leq 440$ V 1.5 Mcycles 80 A AC-3 at $U_e \leq 440$ V
Snaga disipacije po polu	12.5 W AC-1 5.1 W AC-3
Front cover	Sa
Tip blokade	Mehanička
Nosači za montažu	Šina Ploča
Standardi	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Sertifikacija proizvoda	UL CCC CSA BV GL LROS (Lloyds register of shipping) GOST RINA DNV
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 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 Control circuit: screw clamp terminals 1 cable(s) 1... 2.5 mm <sup>2</sup> flexible with cable end Power circuit: connector 1 cable(s) 4... 50 mm <sup>2</sup> flexible without cable end Power circuit: connector 2 cable(s) 4... 25 mm <sup>2</sup> flexible without cable end Power circuit: connector 1 cable(s) 4... 50 mm <sup>2</sup> flexible with cable end Power circuit: connector 2 cable(s) 4... 16 mm <sup>2</sup> flexible with cable end Power circuit: connector 1 cable(s) 4...50 mm <sup>2</sup> solid Power circuit: connector 2 cable(s) 4...25 mm <sup>2</sup> solid
Moment pritezanja	Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 12 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm Power circuit: 12 N.m - on connector hexagonal screw head 4 mm
Vreme uključenja/isključenja	20...35 ms closing 6...20 ms opening
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	4 miliona ciklusa
Maksimalni radni ciklus	3600 cyc/h 60 °C

## Dopunske informacije

Tehnologija kalema	Bez ugrađenog prigušivača
Ograničenje napona upravljačkog kola	0.3...0.6 Uc (-40...70 °C):drop-out AC 50/60 Hz 0.8...1.1 Uc (-40...55 °C):operational AC 50 Hz 0.85...1.1 Uc (-40...55 °C):operational AC 60 Hz 1...1.1 Uc (55...70 °C):operational AC 50/60 Hz
Udarna snaga u va	245 VA 60 Hz cos phi 0.75 (at 20 °C) 245 VA 50 Hz cos phi 0.75 (at 20 °C)
Snaga držanja u va	26 VA 60 Hz cos phi 0.3 (at 20 °C) 26 VA 50 Hz cos phi 0.3 (at 20 °C)
Disipacija toplote	6...10 W at 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 kontakta	M11
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 Shocks contactor open: 8 Gn for 11 ms Vibrations contactor closed: 3 Gn, 5...300 Hz Shocks contactor closed: 10 Gn for 11 ms
Visina	127 mm
Širina	182 mm
Dubina	158 mm
Masa proizvoda	3,2 kg

## Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	3,735 kg
Pakovanje 1 visina	17 cm
Pakovanje 1 širina	18 cm
Pakovanje 1 dužina	24,8 cm

## Održivost ponude

Status održive ponude	Green Premium proizvod
Propis REACh	 REACh Deklaracija
REACh bez SVHC	Da
EU RoHS direktiva	Usaglašeno  EU RoHS Deklaracija
Bez toksičnih teških metala	Da
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>
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.
Bez PVC	Da

### Ugovorna garancija

Garancija	18 meseci
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