

Tehničke karakteristike
proizvoda
Karakteristike

LC1D32MD
TeSys D kontaktor-3P(3 NO) - AC-3 - ≤ 440 V
32A- 220 V DC kalem





Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D
Tip proizvoda ili komponente	Kontaktori
Kratko ime uređaja	LC1D
Primena kontaktora	Rezistivno opterećenje Upravljanje motorom
Kategorija upotrebe	AC-4 AC-3 AC-1
Broj polova	3P
Power pole contact composition	3 NO
[ue] nazivni napon	Power circuit: ≤ 690 V AC 25...400 Hz Power circuit: ≤ 300 V DC
[ie] nazivna struja	32 A (at ≤ 60 °C) at ≤ 440 V AC AC-3 for power circuit 50 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit
Snaga motora kw	7.5 KW at 220...230 V AC 50/60 Hz (AC-3) 15 KW at 380...400 V AC 50/60 Hz (AC-3) 15 KW at 415...440 V AC 50/60 Hz (AC-3) 18.5 KW at 500 V AC 50/60 Hz (AC-3) 18.5 KW at 660...690 V AC 50/60 Hz (AC-3) 7,5 kW pri 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	2 Hp at 115 V AC 50/60 Hz for 1 phase motors 5 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 7.5 Hp at 200/208 V AC 50/60 Hz for 3 phases motors 10 Hp at 230/240 V AC 50/60 Hz for 3 phases motors 20 Hp at 460/480 V AC 50/60 Hz for 3 phases motors 30 hp at 575/600 V AC 50/60 Hz for 3 phases motors
Tip upravljačkog kola	DC standard
Napon upravljačkog kola	220 V DC
Sastav pomoćnog kontakta	1 NO + 1 NC
[uimp] nazivni podnosivi impulsni napon	6 kV conforming to IEC 60947
Kategorija prenapona	III
[lth] dozvoljena termička struja u vazduhu	10 A (at 60 °C) for signalling circuit 50 A (at 60 °C) for power circuit
Irms nazivna moć uključanja	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 550 A at 440 V for power circuit conforming to IEC 60947
Nazivna prekidna moć	550 A at 440 V for power circuit conforming to IEC 60947
[icw] kratkotrajna podnosiva struja kratkog spoja	260 A 40 °C - 10 s for power circuit 430 A 40 °C - 1 s for power circuit 60 A 40 °C - 10 min for power circuit 138 A 40 °C - 1 min 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 63 A gG at ≤ 690 V coordination type 1 for power circuit 63 A gG at ≤ 690 V coordination type 2 for power circuit
Prosečna impedansa	2 mOhm - lth 50 A 50 Hz for power circuit

[ui] nazivni napon izolacije	Power circuit: 690 V conforming to IEC 60947-4-1 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
Električna trajnost	1.65 Mcycles 32 A AC-3 at $U_e \leq 440$ V 1.4 Mcycles 50 A AC-1 at $U_e \leq 440$ V
Snaga disipacije po polu	2 W AC-3 5 W AC-1
Front cover	Sa
Nosači za montažu	Šina Ploča
Sertifikacija proizvoda	GL BV CCC DNV CSA UL LROS (Lloyds register of shipping) GOST RINA
Povezivanje - priključci	Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1... 2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 2.5...10 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 2.5...10 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1... 10 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.5...6 mm ² flexible with cable end Kolo napajanja: vijčani priključni blokovi 1 kabl(ovi) 1,5...10 mm ² jednožični bez kablovskog završetka Kolo napajanja: vijčani priključni blokovi 2 kabl(ovi) 2,5...10 mm ² jednožični bez kablovskog završetka
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: 2.5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2
Vreme uključenja/isključenja	53.55...72.45 ms closing 16...24 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	30 miliona ciklusa
Maksimalni radni ciklus	3600 cyc/h 60 °C

Dopunske informacije

Tehnologija kalema	Ugrađeni dvosmerni limiter
Ograničenje napona upravljačkog kola	0.1...0.25 U_c (-40...70 °C):drop-out DC 0.7...1.25 U_c (-40...60 °C):operational DC 1...1.25 U_c (60...70 °C):operational DC
Vremenska konstanta	28 milisekundi
Udarne snaga u w	5.4 W (at 20 °C)
Snaga držanja u w	5.4 W at 20 °C

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	M4
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 closed: 15 Gn for 11 ms Shocks contactor open: 8 Gn for 11 ms
Visina	85 mm
Širina	45 mm
Dubina	101 mm
Masa proizvoda	0,535 kg

Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	580 g
Pakovanje 1 visina	5,4 cm
Pakovanje 1 širina	9 cm
Pakovanje 1 dužina	11 cm
Pakovanje 2 težina	8,737 kg

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	 Da
RoHS regulativa za Kinu	 RoHS Deklaracija Za Kinu
Izjava o zaštiti okoliša	 Profil Ekološke Prihvatljivosti Proizvoda
Profil cirkularnosti	 Informacije O Kraju Radnog Veka
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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