

Tehničke karakteristike
proizvoda
Karakteristike

LC1D50AE7

TeSys D kontaktor - 3P(3 NO) - AC-3 - \leq 440
V 50 A - 48 V AC 50/60 Hz kalem





Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D
Tip proizvoda ili komponente	Kontaktor
Kratko ime uređaja	LC1D
Primena kontaktora	Upravljanje motorom Rezistivno opterećenje
Kategorija upotrebe	AC-1 AC-4 AC-3
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	50 A (at ≤ 60 °C) at ≤ 440 V AC AC-3 for power circuit 80 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit
Snaga motora kw	15 KW pri 220...230 V AC 50/60 Hz (AC-3) 22 KW pri 380...400 V AC 50/60 Hz (AC-3) 30 KW pri 500 V AC 50/60 Hz (AC-3) 33 KW pri 660...690 V AC 50/60 Hz (AC-3) 25 KW pri 415 V AC 50/60 Hz (AC-3) 30 KW pri 440 V AC 50/60 Hz (AC-3) 11 kW pri 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	3 Hp pri 115 V AC 50/60 Hz za monofazne motore 7,5 Hp pri 230/240 V AC 50/60 Hz za monofazne motore 15 Hp pri 200/208 V AC 50/60 Hz za trofazne motore 15 Hp pri 230/240 V AC 50/60 Hz za trofazne motore 40 Hp pri 460/480 V AC 50/60 Hz za trofazne motore 40 hp pri 575/600 V AC 50/60 Hz za trofazne motore
Tip upravljačkog kola	AC at 50/60 Hz
Napon upravljačkog kola	48 V AC 50/60 Hz
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	10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit
Irms nazivna moć uključjenja	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947
Nazivna prekidna moć	900 A at 440 V for power circuit conforming to IEC 60947
[icw] kratkotrajna podnosiva struja kratkog spoja	400 A 40 °C - 10 s for power circuit 810 A 40 °C - 1 s for power circuit 84 A 40 °C - 10 min for power circuit 208 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 60947-5-1 100 A gG at ≤ 690 V coordination type 1 for power circuit 100 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: 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: 690 V conforming to IEC 60947-4-1
Električna trajnost	1,45 Miliona ciklusa 50 A AC-3 pri $U_e \leq 440$ V 1.1 Mcycles 80 A AC-1 at $U_e \leq 440$ V
Snaga disipacije po polu	3.7 W AC-3 9.6 W AC-1
Front cover	Sa
Nosači za montažu	Ploča Šina
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	RINA CCC BV GL UL LROS (Lloyds register of shipping) CSA DNV GOST
Povezivanje - priključci	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 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 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 connection 1 cable(s) 1... 35 mm ² flexible without cable end Power circuit: screw connection 2 cable(s) 1... 25 mm ² flexible without cable end Power circuit: screw connection 1 cable(s) 1... 35 mm ² flexible with cable end Power circuit: screw connection 2 cable(s) 1... 25 mm ² flexible with cable end Power circuit: screw connection 1 cable(s) 1... 35 mm ² solid without cable end Power circuit: screw connection 2 cable(s) 1... 25 mm ² solid without cable end
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 ² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm ² hexagonal screw head 4 mm
Vreme uključenja/ isključenja	4...19 ms opening 12...26 ms closing
Nivo sigurnosne pouzdanosti	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 2000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mehanička trajnost	6 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...60 °C):operational AC 50 Hz 0.85...1.1 Uc (-40...60 °C):operational AC 60 Hz 1...1.1 Uc (60...70 °C):operational AC 50/60 Hz
Udarna snaga u va	140 VA 60 Hz cos phi 0.75 (at 20 °C) 160 VA 50 Hz cos phi 0.75 (at 20 °C)
Snaga držanja u va	13 VA 60 Hz cos phi 0.3 (at 20 °C) 15 VA 50 Hz cos phi 0.3 (at 20 °C)
Disipacija toplote	4...5 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	M2
Kompatibilnost	LC1D
Motor power range	7...11 KW pri 200...240 V trofazne 15...25 KW at 380...440 V 3 phases 15...25 KW pri 200...240 V trofazne 30...50 KW pri 380...440 V trofazne 30...50 kW pri 480...500 V trofazne
Tip motornog pokretača	Kontaktor za direktno puštanje u rad
Napon kalema kontaktora	48 V AC standard

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: 10 Gn for 11 ms
Visina	122 mm
Širina	55 mm
Dubina	120 mm
Masa proizvoda	0,855 kg

Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	945 g
Pakovanje 1 visina	6,2 cm
Pakovanje 1 širina	14 cm
Pakovanje 1 dužina	15,5 cm
Pakovanje 2 težina	9,973 kg
Pakovanje 3 težina	168,068 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 months
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