



Osnovne informacije

Grupa proizvoda	TeSys
Ime proizvoda	TeSys D
Tip proizvoda ili komponente	Kontaktor
Kratko ime uređaja	LC1D
Primena kontaktora	Rezistivno opterećenje
Kategorija upotrebe	AC-1
Broj polova	4P
Power pole contact composition	4 NO
[ue] nazivni napon	Power circuit: ≤ 690 V AC 25...400 Hz Power circuit: ≤ 300 V DC
[ie] nazivna struja	80 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit
Tip upravljačkog kola	AC at 50/60 Hz
Napon upravljačkog kola	380 V AC 50/60 Hz
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	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 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 60947-5-1 125 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	1.6 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	1.4 Mcycles 80 A AC-1 at $U_e \leq 440$ V
Snaga disipacije po polu	10.2 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	GL BV UL CCC GOST CSA DNV RINA LROS (Lloyds register of shipping)
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: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end Kolo napajanja: EverLink BTR vijčani priključak 1 kabl(ovi) 1...35 mm ² jednožični bez kablovskog završetka Kolo napajanja: EverLink BTR vijčani priključak 2 kabl(ovi) 1...25 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: 8 N.m - on screw clamp terminals - cable 25...35 mm ² hexagonal screw head 4 mm Power circuit: 5 N.m - on screw clamp terminals - 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 = 20000000 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
Udarina 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	M6
Kompatibilnost	LC1D






Okruženje

Ip stepen zaštite	IP20 front face conforming to IEC 60529
Zaštitni tretman	TH conforming to IEC 60068-2-30
Stepen zaprijanosti	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	70 mm
Dubina	120 mm
Masa proizvoda	1,15 kg

Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	1,1 kg
Pakovanje 1 visina	7,5 cm
Pakovanje 1 širina	14 cm
Pakovanje 1 dužina	15 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	 Da
RoHS regulativa za Kinu	 RoHS Deklaracija Za Kinu
Izjava o zaštiti okoliša	 Profil Ekološke Prihvatljivosti Proizvoda
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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