



Osnovne informacije

| | |
|---|--|
| Grupa proizvoda | TeSys |
| Ime proizvoda | TeSys D Green |
| Tip proizvoda ili komponente | Kontaktor |
| Kratko ime uređaja | LC1D |
| Primena kontaktora | Upravljanje motorom Rezistivno opterećenje |
| Kategorija upotrebe | AC-3 AC-1 |
| Broj polova | 3P |
| Power pole contact composition | 3 NO |
| [ue] nazivni napon | Power circuit: ≤ 690 V AC 25...400 Hz |
| [ie] nazivna struja | 60 A (at ≤ 60 °C) at ≤ 440 V AC-1 for power circuit 40 A 60 °C) pri ≤ 440 V AC-3 za kolo napajanja |
| Snaga motora kw | 11 KW at 220...230 V AC 50 Hz (AC-3) 18.5 KW at 380...400 V AC 50 Hz (AC-3) 22 KW at 415 V AC 50 Hz (AC-3) 22 KW at 440 V AC 50 Hz (AC-3) 22 KW at 500 V AC 50 Hz (AC-3) 30 kW at 660...690 V AC 50 Hz (AC-3) |
| Motor power HP (UL / CSA) | 3 Hp at 115 V AC 60 Hz for 1 phase motors 5 Hp at 230/240 V AC 60 Hz for 1 phase motors 10 Hp at 200/208 V AC 60 Hz for 3 phases motors 10 Hp at 230/240 V AC 60 Hz for 3 phases motors 30 Hp at 460/480 V AC 60 Hz for 3 phases motors 30 hp at 575/600 V AC 60 Hz for 3 phases motors |
| Napon upravljačkog kola | 48...130 V AC 50/60 Hz 48...130 V DC |
| Tip kalema | AC/DC elektronika |
| 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 | 60 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling circuit |
| Irms nazivna moć uključenja | 800 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 |
| Nazivna prekidna moć | 800 A at 440 V for power circuit conforming to IEC 60947 |
| [icw] kratkotrajna podnosiva struja kratkog spoja | 72 A 40 °C - 10 min for power circuit 165 A 40 °C - 1 min for power circuit 320 A 40 °C - 10 s for power circuit 720 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 | 80 A gG at ≤ 690 V coordination type 1 for power circuit 80 A gG at ≤ 690 V coordination type 2 for power circuit 10 A gG for signalling circuit conforming to IEC 60947-5-1 |
| Prosečna impedansa | 1.5 mOhm - Ith 60 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 | 2 Miliona ciklusa 35 A AC-3 pri $U_e \leq 440$ V 0,7 miliona ciklusa 60 A AC-1 pri $U_e \leq 440$ V |
| Snaga disipacije po polu | 5.4 W AC-1 2.4 W AC-3 |

| | |
|------------------------------|--|
| Front cover | Sa |
| Nosači za montažu | Ploča Šina |
| 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 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 Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² solid Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 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 1 cable(s) 1...35 mm ² solid Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² 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 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 | 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 propad napona AC/DC 0.85...1.1 Uc -40...60 °C u radu AC/DC 1...1.1 Uc 60...70 °C u radu AC/DC |
| Udarna snaga u va | 23 VA 50/60 Hz 20 °C) |
| Udarna snaga u w | 19 W pri 20 °C |
| Snaga držanja u va | 1,4 VA 20 °C) 50/60 Hz |
| Snaga držanja u w | 0,9 W pri 20 °C |
| Disipacija toplote | 0,9 W pri 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 | 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 open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms |
| Visina | 122 mm |
| Širina | 55 mm |
| Dubina | 120 mm |
| Masa proizvoda | 0,992 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 | 1,072 kg |
| Pakovanje 1 visina | 6,2 cm |
| Pakovanje 1 širina | 13,7 cm |
| Pakovanje 1 dužina | 15,2 cm |
| Pakovanje 2 težina | 10,004 kg |

Održivost ponude

| | |
|-------------------------------------|---|
| Status održive ponude | Green Premium proizvod |
| Propis REACH | REACH Deklaracija |
| EU RoHS direktiva | Usaglašeno EU RoHS Deklaracija |
| 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. |
| Učinak u vezi sa sadržajem halogena | Proizvod sa plastičnim delovima i kablovima bez halogena |

Ugovorna garancija

| | |
|-----------|-----------|
| Garancija | 18 meseci |
|-----------|-----------|