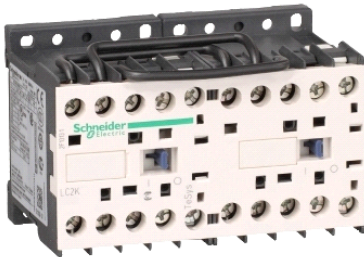


LC2K1210E7

reverzibilni sklopnik TeSys K–3P (3 NO)–AC-3–<= 440 V 12 A–Zavojnica 48 V AC



Glavno

| | |
|---|--|
| Range | TeSys |
| Product name | TeSys K |
| Product or component type | Reversing contactor |
| Device short name | LC2K |
| Device application | Control |
| Contactor application | Motor control Resistive load |
| Utilisation category | AC-1 AC-3 AC-4 |
| Device presentation | Preassembled with reversing power busbar |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz for power circuit <= 690 V AC 50/60 Hz for signalling circuit |
| [Ie] rated operational current | 20 A (<= 50 °C) at <= 440 V AC AC-1 for power circuit 16 A (<= 70 °C) at 690 V AC AC-1 for power circuit 12 A at <= 440 V AC AC-3 for power circuit |
| Motor power kW | 3 kW at 220...230 V AC 50/60 Hz 4 kW at 480 V AC 50/60 Hz 4 kW at 500...600 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz 5.5 kW at 380...415 V AC 50/60 Hz 5.5 kW at 440 V AC 50/60 Hz |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 48 V AC 50/60 Hz |
| Auxiliary contact composition | 1 NO |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 20 A at <= 50 °C for power circuit 10 A at <= 50 °C for signalling circuit |
| Irms rated making capacity | 144 A at 690 V AC for power circuit conforming to IEC 60947 144 A at 690 V AC for power circuit conforming to NF C 63-110 110 A AC for signalling circuit conforming to IEC 60947 |
| Rated breaking capacity | 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 80 A 1 s signalling circuit 90 A 500 ms signalling circuit 110 A 100 ms signalling circuit 115 A <= 50 °C 1 s power circuit 105 A <= 50 °C 5 s power circuit 100 A <= 50 °C 10 s power circuit 75 A <= 50 °C 30 s power circuit 55 A <= 50 °C 1 min power circuit 50 A <= 50 °C 3 min power circuit 25 A <= 50 °C >= 15 min power circuit |
| Associated fuse rating | 25 A gG at <= 440 V for power circuit 25 A aM for power circuit 10 A gG for signalling circuit conforming to IEC |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric, Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

60947
10 A gGfor signalling circuit conforming to VDE
0660

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|-------------------------------|--|
| Average impedance | 3 mOhm at 50 Hz - lth 20 A for power circuit |
| [Ui] rated insulation voltage | 690 V for power circuit conforming to IEC 60947-4-1 600 Vfor power circuit conforming to UL 508 690 Vfor signalling circuit conforming to IEC 60947-4-1 690 Vfor signalling circuit conforming to IEC 60947-5-1 600 Vfor signalling circuit conforming to UL 508 600 Vfor power circuit conforming to CSA C22.2 No 14 600 Vfor signalling circuit conforming to CSA C22.2 No 14 |
| Electrical durability | 0.3 Mcycles 20 A AC-1 at $U_e \leq 440$ V 1.3 Mcycles 12 A AC-3 at $U_e \leq 440$ V |
| Interlocking type | Mechanical |
| Mounting support | Plate Rail |
| Standards | BS 5424 IEC 60947 NF C 63-110 VDE 0660 |
| Product certifications | CSA UL |
| Connections - terminals | Screw clamp terminals 1 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 1 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 2 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm ² - cable stiffness: flexible - with cable end |
| Tightening torque | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm |
| Operating time | 10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing |
| Safety reliability level | 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 |
| Mechanical durability | 5 Mcycles |
| Operating rate | 3600 cyc/h |

Komplementarno

| | |
|---------------------------------|---|
| Control circuit voltage limits | 0.2...0.75 U_c at ≤ 50 °C drop-out 0.8...1.15 U_c at ≤ 50 °C operational |
| Inrush power in VA | 30 VA at 20 °C |
| Hold-in power consumption in VA | 4.5 VA at 20 °C |
| Heat dissipation | 1.3 W |
| Auxiliary contacts type | Type instantaneous 1 NO |
| Signalling circuit frequency | ≤ 400 Hz |
| Minimum switching current | 5 mAfor signalling circuit |
| Minimum switching voltage | 17 Vfor signalling circuit |
| Non overlap distance | 0.5 mm |
| Insulation resistance | > 10 MOhmfor signalling circuit |

Okolina

| | |
|---------------------------------------|---|
| IP degree of protection | IP20 conforming to VDE 0106 |
| protective treatment | TC conforming to IEC 60068 TC conforming to DIN 50016 |
| ambient air temperature for operation | -25...50 °C |
| ambient air temperature for storage | -50...80 °C |
| operating altitude | 2000 m without derating derating in temperature |
| flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| mechanical robustness | Shocks contactor closed, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened 2 Gn, 5...300 Hz IEC 60068-2-6 |
| height | 58 mm |
| width | 90 mm |
| depth | 57 mm |
| product weight | 0.39 kg |

Offer Sustainability

| | |
|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 0706 - Schneider Electric declaration of conformity | Compliant - since 0706 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|