

LP4K09004BW3

sklopnik TeSys K – 4P(4 NO) – AC-1 – <= 440 V
20 A – Zavojnica 24 V DC



Glavno

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|---------------------------|----------------|
| Range | TeSys |
| Product or component type | Contactors |
| Product name | TeSys K |
| Device short name | LP4K |
| Device application | Control |
| Contactors application | Resistive load |

Komplementarno

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|---|--|
| Utilisation category | AC-1 |
| Poles description | 4P |
| Pole contact composition | 4 NO |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz for power 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 |
| Control circuit type | DC low consumption |
| [Uc] control circuit voltage | 24 V DC |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 20 A at <= 50 °C for power circuit |
| Irms rated making capacity | 110 A AC for power circuit conforming to NF C 63-110 110 A AC for power circuit conforming to IEC 60947 |
| Rated breaking capacity | 110 A at 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 90 A <= 50 °C 1 s power circuit 85 A <= 50 °C 5 s power circuit 80 A <= 50 °C 10 s power circuit 60 A <= 50 °C 30 s power circuit 45 A <= 50 °C 1 min power circuit 40 A <= 50 °C 3 min power circuit 20 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 |
| Average impedance | 3 mOhm at 50 Hz - Ith 20 A for power circuit |
| [Ui] rated insulation voltage | 690 V for power circuit conforming to IEC 60947-4-1 600 V for power circuit conforming to UL 508 600 V for power circuit conforming to CSA C22.2 No 14 |
| Inrush power in W | 1.8 W at 20 °C |
| Hold-in power consumption in W | 1.8 W at 20 °C |
| Heat dissipation | 1.8 W |
| Control circuit voltage limits | 0.7...1.30 Uc at <= 50 °C operational 0.1...0.7 Uc at <= 50 °C drop-out |
| 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 |

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.

Screw clamp terminals 1 cable(s) 0.34...2.5 mm² - cable stiffness: flexible - with cable end
 Screw clamp terminals 2 cable(s) 1.5...4 mm² - cable stiffness: solid
 Screw clamp terminals 2 cable(s) 0.75...4 mm² - cable stiffness: flexible - without cable end
 Screw clamp terminals 2 cable(s) 0.34...1.5 mm² - cable stiffness: flexible - with cable end

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|--------------------------|---|
| Operating rate | 3600 cyc/h |
| Coil technology | Built-in bidirectional peak limiting diode suppressor |
| Mounting support | Plate Rail |
| 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 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing |
| Safety reliability level | 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 |
| Mechanical durability | 30 Mcycles |
| Electrical durability | 0.18 Mcycles 20 A AC-1 at Ue ≤ 440 V |
| Mechanical robustness | Shocks contactor closed, on Z axis 15 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 Shocks contactor opened, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on X axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 10 Gn for 11 ms IEC 60068-2-27 |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 57 mm |
| Product weight | 0.235 kg |

Okolina

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|---------------------------------------|--|
| standards | BS 5424 IEC 60947 NF C 63-110 VDE 0660 |
| product certifications | CSA UL |
| IP degree of protection | IP2x 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 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 |

Offer Sustainability

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|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 0825 - Schneider Electric declaration of conformity | Compliant - since 0825 - 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 |
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