



Main

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| Range of product | TeSys K |
| Range | TeSys |
| Product or component type | Contactors |
| Device short name | LP1K |
| Contactors application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| Pole contact composition | 2 NO + 2 NC |
| [Ie] rated operational current | 20 A 122 °F (50 °C) ≤ 440 V AC AC-1 power circuit 16 A 158 °F (70 °C) 690 V AC AC-1 power circuit |

Complementary

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| Coil technology | Built-in bidirectional peak limiting diode suppressor |
| Control circuit voltage limits | Operational 0.8...1.15 U _c 122 °F (50 °C)) Drop-out 0.1...0.75 U _c 122 °F (50 °C)) |
| [Ui] rated insulation voltage | Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Power circuit 600 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| Mounting support | Plate Rail |
| Flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| Tightening torque | 11.51 Lbf.in (1.3 N.m) screw clamp terminals Philips No 2 11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm |
| [Ue] rated operational voltage | Power circuit 690 V AC 50/60 Hz |
| [Ith] conventional free air thermal current | 20 A 122 °F (50 °C) power circuit |
| Irms rated making capacity | 110 A AC power circuit NF C 63-110 110 A AC power circuit IEC 60947 |
| Rated breaking capacity | 110 A 415 V IEC 60947 110 A 440 V IEC 60947 80 A 500 V IEC 60947 110 A 220...230 V IEC 60947 110 A 380...400 V IEC 60947 70 A 660...690 V IEC 60947 |
| Associated fuse rating | 25 A gG ≤ 440 V power circuit 25 A aM power circuit |
| Average impedance | 3 mOhm - I _{th} 20 A 50 Hz power circuit |
| Inrush power in W | 3 W 68 °F (20 °C)) |
| Hold-in power consumption in W | 3 W 68 °F (20 °C) |
| Operating time | 30...40 ms coil energisation and NO closing 10 ms coil de-energisation and NO opening 25...35 ms coil energisation and NC opening 15 ms coil de-energisation and NC closing |
| Safety reliability level | B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 3600 cyc/h |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Height | 2.28 in (58 mm) |
| Width | 1.77 in (45 mm) |
| Depth | 2.24 in (57 mm) |
| Net Weight | 0.50 lb(US) (0.225 kg) |

Environment

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| Product certifications | UL CSA |
| Ambient air temperature for operation | -13...122 °F (-25...50 °C) |
| Ambient air temperature for storage | -58...176 °F (-50...80 °C) |
| Operating altitude | 6561.68 ft (2000 m) without derating |

Ordering and shipping details

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|-----------------------|-----------------------------------|
| Category | 22321 - CTR,K-LINE,DC,OPEN,NONREV |
| Discount Schedule | I12 |
| GTIN | 00785901173151 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.5 lb(US) (0.23 kg) |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.89 in (4.8 cm) |
| Package 1 width | 2.44 in (6.2 cm) |
| Package 1 Length | 2.56 in (6.5 cm) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 4.92 lb(US) (2.23 kg) |
| Package 2 Height | 2.56 in (6.5 cm) |
| Package 2 width | 5.20 in (13.2 cm) |
| Package 2 Length | 9.65 in (24.5 cm) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 40 |
| Package 3 Weight | 20.73 lb(US) (9.403 kg) |
| Package 3 Height | 5.91 in (15 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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