



⚠ Discontinued

LP1K09004SD has not been replaced. Please contact your customer care center for more information.

Main

| | |
|--------------------------------|--|
| Range of product | TeSys K |
| Range | TeSys |
| Product or component type | Contactor |
| Device short name | LP1K |
| Contactor application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| Pole contact composition | 4 NO |
| [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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|---|---|
| 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 UL 94 Requirement 2 NF F 16-101 Requirement 2 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 |
| I _{rms} rated making capacity | 110 A AC power circuit NF C 63-110 |

110 A AC power circuit IEC 60947

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|--------------------------------|--|
| 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 - lth 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 |
| 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 |
| 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 |

Ordering and shipping details

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|-------------------|---------------------------------|
| Category | 22321-CTR,K-LINE,DC,OPEN,NONREV |
| Discount Schedule | I12 |
| GTIN | 03389110495409 |
| Returnability | No |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| 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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