

LP1K0910UD

TeSys K contactor - 3P - AC-3 \leq 440 V 9 A - 1
NO aux. - 250 V DC coil



❗ Discontinued

LP1K0910UD has not been replaced. Please contact your customer care center for more information.

Main

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|--------------------------------|---|
| Range of product | TeSys K |
| Range | TeSys |
| Product or component type | Contactor |
| Device short name | LP1K |
| Contactor application | Motor control Resistive load |
| Utilisation category | AC-1 AC-4 AC-3 |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| [Ie] rated operational current | 20 A 122 °F (50 °C) \leq 440 V AC AC-1 power circuit 9 A \leq 440 V AC AC-3 power circuit 16 A 158 °F (70 °C) 690 V AC AC-1 power circuit |
| Auxiliary contact composition | 1 NO |

Complementary

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| Auxiliary contacts type | Instantaneous 1 NO |
| 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 Signalling circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 600 V UL 508 Power circuit 600 V CSA C22.2 No 14 Signalling circuit 600 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| Mounting support | Rail Plate |

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| 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 Signalling circuit <= 690 V AC 50/60 Hz |
| [Ith] conventional free air thermal current | 20 A 122 °F (50 °C) power circuit 10 A 122 °F (50 °C) signalling circuit |
| Irms rated making capacity | 110 A AC power circuit NF C 63-110 110 A AC power circuit IEC 60947 110 A AC signalling 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 10 A gG signalling circuit IEC 60947 10 A gG signalling circuit VDE 0660 |
| Average impedance | 3 mOhm - Ith 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 |
| Minimum switching current | 5 mA signalling circuit |
| Minimum switching voltage | 17 V signalling circuit |
| Insulation resistance | > 10 MOhm signalling circuit |
| 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 | 03389110496512 |
| Returnability | No |
| Country of origin | FR |

Offer Sustainability

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|--------------------------|-----------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |

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|----------------------------|--|
| 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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