



Main

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| Range | TeSys |
| Product or Component Type | Contacteur |
| Device short name | LC1K |
| Device Application | Control |
| Contacteur application | Resistive load |

Complementary

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|---|---|
| Utilisation category | AC-1 |
| Poles description | 4P |
| Power pole contact composition | 4 NO |
| [Ue] rated operational voltage | Power circuit ≤ 690 V AC ≤ 400 Hz Signalling circuit ≤ 690 V AC ≤ 400 Hz |
| [Ie] rated operational current | 20 A (at <140 °F (60 °C)) at ≤ 690 V AC AC-1 for power circuit |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 220...230 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 20 A (at 140 °F (60 °C)) for power circuit 10 A (at 122 °F (50 °C)) for signalling circuit |
| Irms rated making capacity | 110 A AC for power circuit conforming to IEC 60947 |
| Rated breaking capacity | 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 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 70 A at 660...690 V conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 90 A 122 °F (50 °C) - 1 s for power circuit 85 A 122 °F (50 °C) - 5 s for power circuit 80 A 122 °F (50 °C) - 10 s for power circuit 60 A 122 °F (50 °C) - 30 s for power circuit 45 A 122 °F (50 °C) - 1 min for power circuit 40 A 122 °F (50 °C) - 3 min for power circuit 20 A 122 °F (50 °C) - ≥ 15 min for power circuit |
| Associated fuse rating | 25 A gG at ≤ 440 V for power circuit 25 A aM for power circuit |
| Average impedance | 3 mOhm - Ith 20 A 50 Hz for power circuit |
| [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 |
| Inrush power in VA | 30 VA (at 68 °F (20 °C)) |
| Hold-in power consumption in VA | 4.5 VA (at 68 °F (20 °C)) |
| Heat dissipation | 1.3 W |
| Control circuit voltage limits | Operational: 0.8...1.15 Uc (at <122 °F (50 °C)) Drop-out: ≥ 0.20 Uc (at <122 °F (50 °C)) |

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| Connections - terminals | Screw clamp terminals 1 0.00...0.01 in ² (1.5...4 mm ²)solid Screw clamp terminals 1 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end Screw clamp terminals 1 0.00...0.00 in ² (0.34...2.5 mm ²)flexible with cable end Screw clamp terminals 2 0.00...0.01 in ² (1.5...4 mm ²)solid Screw clamp terminals 2 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end Screw clamp terminals 2 0.00...0.00 in ² (0.34...1.5 mm ²)flexible with cable end |
| Maximum operating rate | 3600 cyc/h |
| Signalling circuit frequency | <= 400 Hz |
| Mounting Support | Rail Plate |
| Tightening torque | 7.08...11.51 Lbf.In (0.8...1.3 N.m) screw clamp terminals Philips No 2 7.08...11.51 Lbf.In (0.8...1.3 N.m) screw clamp terminals flat Ø 6 mm 7.08...11.51 lbf.in (0.8...1.3 N.m) screw clamp terminals pozidriv No 2 |
| 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 EN/ISO 13849-1 B10d = 2000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Mechanical durability | 10 Mcycles |
| Electrical durability | 0.16 Mcycles 20 A AC-1 <= 690 V |
| Mechanical robustness | Shocks contactor closed, on X axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened2 Gn, 5...300 Hz IEC 60068-2-6 |
| Height | 2.28 in (58 mm) |
| Width | 1.77 in (45 mm) |
| Depth | 2.24 in (57 mm) |
| Net Weight | 0.40 lb(US) (0.18 kg) |

Environment

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| Standards | EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1 |
| Product Certifications | CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[RETURN]UKCA |
| IP degree of protection | IP2X VDE 0106 |
| Protective treatment | TC IEC 60068 TC DIN 50016 |
| Ambient Air Temperature for Storage | -58...176 °F (-50...80 °C) |
| Operating altitude | 6561.68 ft (2000 m) without derating |
| Flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |

Ordering and shipping details

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|-------------------|---------------------------------|
| Category | 22326-CTR,K-LINE,AC,OPEN,NONREV |
| Discount Schedule | I12 |
| GTIN | 3389110488449 |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.89 in (4.8 cm) |
| Package 1 Width | 2.44 in (6.2 cm) |
| Package 1 Length | 2.60 in (6.6 cm) |
| Package 1 Weight | 6.28 oz (178.0 g) |

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|------------------------------|-------------------------|
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 50 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 20.62 lb(US) (9.355 kg) |

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 |
| RECh Regulation | RECh Declaration |
| RECh free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| 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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