



Price* : 71.25 USD



Main

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| Range | TeSys |
| Product or component type | Contactor |
| Product name | TeSys K |
| Device short name | LC1K |
| Device application | Control |
| Contactor application | Motor control |

Complementary

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| Utilisation category | AC-3 AC-4 |
| Poles description | 3P |
| Power pole contact composition | 3 NO |
| [Ue] rated operational voltage | Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz |
| [Ie] rated operational current | 6 A <= 440 V AC AC-3 power circuit |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 110 V AC 50/60 Hz |
| Motor power kW | 1.5 kW 220...230 V AC 50/60 Hz AC-3 2.2 kW 380...415 V AC 50/60 Hz AC-3 3 kW 440 V AC 50/60 Hz AC-3 3 kW 480 V AC 50/60 Hz AC-3 3 kW 500...600 V AC 50/60 Hz AC-3 3 kW 660...690 V AC 50/60 Hz AC-3 1.5 kW 400 V AC 50/60 Hz AC-4 |
| Auxiliary contact composition | 1 NC |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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| [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 |
| [Icw] rated short-time withstand current | 90 A 122 °F (50 °C) - 1 s power circuit 85 A 122 °F (50 °C) - 5 s power circuit 80 A 122 °F (50 °C) - 10 s power circuit 60 A 122 °F (50 °C) - 30 s power circuit 45 A 122 °F (50 °C) - 1 min power circuit 40 A 122 °F (50 °C) - 3 min power circuit 20 A 122 °F (50 °C) - >= 15 min power circuit 80 A - 1 s signalling circuit 90 A - 500 ms signalling circuit 110 A - 100 ms signalling circuit |
| 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 |
| [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 |
| Insulation resistance | > 10 MOhm signalling circuit |
| Inrush power in VA | 30 VA 68 °F (20 °C)) |
| Hold-in power consumption in VA | 4.5 VA 68 °F (20 °C)) |
| Heat dissipation | 1.3 W |
| Control circuit voltage limits | Operational 0.8...1.15 U _c 122 °F (50 °C)) Drop-out 0.2...0.75 U _c 122 °F (50 °C)) |
| Connections - terminals | solder pins 1.5 x 0.9 mm |
| Maximum operating rate | 3600 cyc/h |
| Auxiliary contacts type | Instantaneous 1 NC |
| Signalling circuit frequency | <= 400 Hz |
| Minimum switching current | 5 mA signalling circuit |
| Minimum switching voltage | 17 V signalling circuit |
| Mounting support | Printed circuit boards |
| 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 = 20000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Non overlap distance | 0.02 in (0.5 mm) |
| Mechanical durability | 10 Mcycles |
| Electrical durability | 1.3 Mcycles 6 A AC-3 <= 440 V |
| Mechanical robustness | Shocks contactor closed, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 10 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 |
| Maximum Height | 2.28 in (58 mm) |
| Maximum Width | 1.77 in (45 mm) |
| Maximum Depth | 2.24 in (57 mm) |

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| Net Weight | 0.40 lb(US) (0.18 kg) |
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Environment

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| Standards | BS 5424 IEC 60947 NF C 63-110 VDE 0660 |
| Product certifications | UL CSA |
| 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 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102 |

Ordering and shipping details

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| Category | 22326 - CTR,K-LINE,AC,OPEN,NONREV |
| Discount Schedule | I12 |
| GTIN | 00785901708032 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1 lb(US) (0.45 kg) |
| Returnability | No |
| 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 | 2.60 in (6.6 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 Carcinogen harm. 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 Pro-active China RoHS declaration (out of China RoHS legal scope) |
| 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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