

Product data sheet

Specifications



TeSys K contactor , 3P ,AC-3, <= 440V, 9A , 1 NC aux, 24V DC coil

LP1K09017BD3

❗ Discontinued

Main

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| Range Of Product | TeSys K |
| Range | TeSys |
| Product Or Component Type | Contactor |
| Device Short Name | LP1K |
| Utilisation Category | AC-4 AC-3 AC-1 |
| Coil Technology | Built-in bidirectional peak limiting diode suppressor |
| Poles Description | 3P |
| Pole Contact Composition | 3 NO |
| [Ie] Rated Operational Current | 20 A (at <50 °C) at <= 440 V AC AC-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 16 A (at <70 °C) at 690 V AC AC-1 for power circuit |
| [Uc] Control Circuit Voltage | type instantaneous 1 NC |

Complementary

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| Contactor Application | Motor control Resistive load |
| Auxiliary Contact Composition | 1 NC |
| Control Circuit Voltage Limits | Operational: 0.8...1.15 Uc (at <50 °C) Drop-out: 0.1...0.75 Uc (at <50 °C) |
| [Ui] Rated Insulation Voltage | Power circuit: 600 V conforming to UL 508 Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-5-1 Signalling circuit: 600 V conforming to UL 508 Power circuit: 600 V conforming to CSA C22.2 No 14 Signalling circuit: 600 V conforming to CSA C22.2 No 14 |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV |
| Overvoltage Category | III |
| Mounting Support | Plate Rail |
| 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 |

Disclaimer: 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

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| Product Certifications | CB Scheme CCC UL CSA EAC CE UKCA |
| Ambient Air Temperature For Operation | -25...50 °C |
| Ambient Air Temperature For Storage | -50...80 °C |
| Operating Altitude | 2000 m without derating |
| [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 (at 50 °C) for power circuit 10 A (at 50 °C) for signalling circuit |
| Irms Rated Making Capacity | 110 A AC for power circuit conforming to NF C 63-110 110 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947 |
| Rated Breaking Capacity | 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 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947 |
| Associated Fuse Rating | 25 A gG at <= 440 V for power circuit 25 A aM for power circuit 10 A gG for signalling circuit conforming to IEC 60947 10 A gG for signalling circuit conforming to VDE 0660 |
| Average Impedance | 3 mOhm - Ith 20 A 50 Hz for power circuit |
| 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 conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 |
| Mechanical Durability | 10 Mcycles |
| Maximum Operating Rate | 3600 cyc/h |
| Minimum Switching Current | 5 mA for signalling circuit |
| Minimum Switching Voltage | 17 V for signalling circuit |
| Insulation Resistance | > 10 MOhm for signalling circuit |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 57 mm |
| Net Weight | 0.225 kg |
| Compatibility Code | LP1K |

Environment

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| Inrush Power In W | 3 W (at 20 °C) |
| Hold-In Power Consumption In W | 3 W at 20 °C |
| Flame Retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |

Packing Units

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| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

Contractual warranty

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| Warranty | 18 months |
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