

Product data sheet

Specifications



differential thermal overload relay, TeSys K, 0.23...0.36A, class 10A

LR2K0303

Main

| | |
|-------------------------------------|---|
| Range | TeSys |
| Product Name | TeSys LRK |
| Product Or Component Type | Differential thermal overload relay |
| Device Short Name | LR2K |
| Relay Application | Motor protection |
| Product Compatibility | LC7K LC1K LP1K LP4K |
| Network Type | AC DC |
| Thermal Overload Class | Class 10A conforming to IEC 60947-4-1 |
| Thermal Protection Adjustment Range | 0.23...0.36 A |
| [Ui] Rated Insulation Voltage | Power circuit: 690 V conforming to BS 4941 Power circuit: 690 V conforming to IEC 60947 Power circuit: 750 V conforming to VDE 0110 group C Power circuit: 600 V conforming to CSA C22.2 No 14 |

Complementary

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| Network Frequency | <= 400 Hz |
| Mounting Support | Under contactor Plate, with specific accessories Rail, with specific accessories |
| Auxiliary Contact Composition | 1 NO + 1 NC |
| [Ith] Conventional Free Air Thermal Current | 6 A for signalling circuit |
| [Ue] Rated Operational Voltage | <= 690 V for power circuit 690 V AC AC-15 for signalling circuit 250 V DC DC-13 for signalling circuit |
| Associated Fuse Rating | 6 A gG for signalling circuit conforming to VDE 0660 6 A gG for signalling circuit conforming to IEC 60947 |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV |
| Power Dissipation Per Pole | 2 W |
| Phase Failure Sensitivity | Yes conforming to IEC 60947-4-1 |
| Local Signalling | Trip indicator (yellow) |
| Control Type | Red push-button: trip test function Blue push-button: stop and manual reset selector switch: manual or automatic reset |

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

| | |
|-------------------------|--|
| Connections - Terminals | Screw clamp terminals 1 cable(s) 1.5...4 mm²solid Screw clamp terminals 2 cable(s) 1.5...4 mm²solid Screw clamp terminals 1 cable(s) 0.75...4 mm²flexible without cable end Screw clamp terminals 2 cable(s) 0.75...4 mm²flexible without cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm²flexible with cable end |
| Tightening Torque | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 65 mm |
| Net Weight | 0.145 kg |

Environment

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|---------------------------------------|--|
| Standards | NF C 63-650 IEC 60947 VDE 0660 BS 4941 |
| Product Certifications | UL CSA UKCA |
| Protective Treatment | TC conforming to IEC 60068 TC conforming to DIN 50016 |
| Ip Degree Of Protection | IP2X conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -20...55 °C without derating conforming to IEC 60947 -30...60 °C with derating conforming to IEC 60947 |
| Ambient Air Temperature For Storage | -40...70 °C |
| Operating Altitude | 2000 m without derating |
| Fire Resistance | 850 °C conforming to IEC 60695-2-1 |
| Flame Retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| Mechanical Robustness | Shocks NO contact: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks NC contact: 10 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations NO contact: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations NC contact: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 |

Packing Units

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|------------------------------|-----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 5.000 cm |
| Package 1 Width | 7.000 cm |
| Package 1 Length | 8.500 cm |
| Package 1 Weight | 156.000 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 41 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |

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|------------------------------|------------|
| Package 2 Weight | 6.631 kg |
| Unit Type Of Package 3 | P06 |
| Number Of Units In Package 3 | 656 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 60.000 cm |
| Package 3 Weight | 114.096 kg |

Contractual warranty

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| Warranty | 18 months |
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

| | |
|---------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |
| 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 |