

Product datasheet

Specifications



TeSys K - differential thermal overload relays - 3.7...5.5 A - class 10A

LR2K0312

Main

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|-------------------------------------|---|
| 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 LP1K LP4K LC1K |
| Network type | DC AC |
| Thermal overload class | Class 10A conforming to IEC 60947-4-1 |
| Thermal protection adjustment range | 3.7...5.5 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) |

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| Control type | Red push-button: trip test function Blue push-button: stop and manual reset selector switch: manual or automatic reset |
| Connections - terminals | Screw clamp terminals 1 cable(s) 1.5...4 mm ² solid Screw clamp terminals 2 cable(s) 1.5...4 mm ² solid Screw clamp terminals 1 cable(s) 0.75...4 mm ² flexible without cable end Screw clamp terminals 2 cable(s) 0.75...4 mm ² flexible without cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm ² flexible with cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm ² flexible 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 | IEC 60947 VDE 0660 BS 4941 NF C 63-650 |
| 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 Weight | 160.1 g |
| Package 1 Height | 5 cm |
| Package 1 width | 7 cm |
| Package 1 Length | 8 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 41 |
| Package 2 Weight | 6.805 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

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|------------------------------|------------|
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 656 |
| Package 3 Weight | 116.881 kg |
| Package 3 Height | 75 cm |
| Package 3 width | 80 cm |
| Package 3 Length | 60 cm |

Offer Sustainability

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