

Product data sheet

Characteristics

LR7K0308

TeSys K - non differential thermal overload relays - 1.8...2.6 A - class 10A



Main

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|-------------------------------------|---|
| Range of product | TeSys K thermal overload relays |
| Product or component type | Non differential thermal overload relay |
| Device short name | LR7K |
| Relay application | Motor protection |
| Product compatibility | LC1K LP1K LC7K LP4K |
| Network type | AC DC |
| Overload tripping class | Class 10A conforming to IEC 60947-4-1 |
| Thermal protection adjustment range | 1.8...2.6 A |
| [Ui] rated insulation voltage | 600 V power circuit conforming to CSA C22.2 No 14 750 V power circuit conforming to VDE 0110 group C 690 V power circuit conforming to IEC 60947 690 V power circuit conforming to BS 4941 |

Complementary

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| Network frequency | <= 400 Hz |
| Mounting support | Under contactor |
| Auxiliary contact composition | 1 NO + 1 NC |
| [Ith] conventional free air thermal current | 6 A for signalling circuit |
| [Ue] rated operational voltage | 250 V DC DC-13 for signalling circuit 690 V AC AC-15 for signalling circuit <= 690 V for power circuit |
| Associated fuse rating | 6 A gG for signalling circuit conforming to IEC 60947 6 A gG for signalling circuit conforming to VDE 0660 |
| [Uiimp] rated impulse withstand voltage | 6 kV |
| Power dissipation per pole | 2 W |
| Local signalling | Trip indicator (yellow) |
| Control type | Selector switch manual or automatic for reset mode Blue pushbutton stop and manual reset Red pushbutton trip test function |
| Connections - terminals | Screw clamp terminals 2 cable(s) 0.34...1.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 1 cable(s) 1.5...4 mm ² - cable stiffness: solid |
| Tightening torque | 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 65 mm |
| Product weight | 0.145 kg |

Environment

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| Standards | BS 4941 IEC 60947 NF C 63-650 VDE 0660 |
| Product certifications | CSA UL |
| Protective treatment | TC conforming to DIN 50016 TC conforming to IEC 60068 |
| IP degree of protection | IP2x conforming to IEC 60529 |
| Ambient air temperature for operation | -30...60 °C with derating conforming to IEC 60947 -20...55 °C without 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 | Requirement 2 conforming to NF F 16-102 Requirement 2 conforming to NF F 16-101 V1 conforming to UL 94 |
| Mechanical robustness | Vibrations NC contact 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations NO contact 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks NC contact 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks NO contact 10 Gn for 11 ms conforming to IEC 60068-2-27 |

Contractual warranty

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| Period | 18 months |
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