

Product data sheet

Specifications



RelayAux - instantaneous trip relay - 4 C/O - pick-up time < 20 ms - 125 V DC

REL91204

Main

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|------------------------------|--|
| Range Of Product | RelayAux |
| Product Or Component Type | Instantaneous trip relay |
| Coil Type | Low consumption |
| [Uc] Control Circuit Voltage | 125 V DC (- 20 % + 10 % Un) |
| Type Of Connectors | REL91350 (front connection socket) REL91354 (flush mounting socket) |
| Status Led | With |
| Control Type | Test button |
| Local Signalling | Mechanical indicator (red) for contact position LED |

Complementary

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| Contacts Type And Composition | 4 C/O |
| Insulation Resistance Measurements | > 100 MOhm at 500 V DC conforming to IEC 60255-5 |
| [Uimp] Rated Impulse Withstand Voltage | 5 kV during 1.2/50 µs conforming to IEC 60255-5 |
| Contacts Material | AgNi |
| Permanent Current | 10 A |
| Instantaneous Current | 30 A during 1 s 80 A during 200 ms 200 A during 10 ms |
| Maximum Making Capacity | 30 A during 0.5 s at 110 V DC |
| Mechanical Durability | 10000000 cycles |
| Pick-Up Time | 20 ms |
| Drop-Out Time | 50 ms |
| Maximum Contact Resistance | 30 mOhm |
| Inter Contact Distance | 1.8 mm |
| Mechanical Robustness | Shocks 11 ms (5 gn) conforming to IEC 60068-2-27 Bumps 16 ms (10 Gn) conforming to IEC 60068-2-29 |
| Height | 50.4 mm |
| Width | 42.5 mm |
| Depth | 72 mm |
| Net Weight | 0.25 kg |

Environment

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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|---------------------------------------|---|
| Dielectric Strength | 2 kV 50 Hz 1 min conforming to IEC 60255-5 |
| Maximum Relative Humidity | 93 % at 40 °C |
| Electromagnetic Compatibility | Conducted and radiated emissions criteria A conforming to EN 55022 Conducted and radiated emissions criteria B conforming to EN 55022 Electrostatic discharge - test level: 15 kV level 4 (air discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 8 kV level 4 (contact discharge) conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m, 80 MHz...1 GHz level 3 conforming to IEC 61000-4-3 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m, 80 MHz...1 GHz level 3 conforming to ENV 50204 Electrical fast transient/burst immunity test - test level: 4 kV, 5 kHz level 4 (1 min) conforming to IEC 61000-4-4 Surge immunity test - test level: 2 kV level 3 (common mode) conforming to IEC 61000-4-5 Surge immunity test - test level: 1 kV level 3 (differential mode) conforming to IEC 61000-4-5 Conducted RF disturbances - test level: 10 V, 0.15...80 MHz level 3 conforming to IEC 61000-4-6 Magnetic field at power frequency - test level: 100 A/m level 5 (continuous) conforming to IEC 61000-4-8 Magnetic field at power frequency - test level: 1000 A/m level 5 (2 s) conforming to IEC 61000-4-8 Damped oscillating waves - test level: 2.5 kV, 1 MHz level 3 (common mode) conforming to IEC 60255-22-1 Damped oscillating waves - test level: 1 kV, 1 MHz level 3 (differential mode) conforming to IEC 60255-22-1 |
| Environmental Characteristic | Exposure to cold in operation conforming to IEC 60068-2-1 Exposure to cold in storage conforming to IEC 60068-2-1 Continuous exposure to damp heat in storage 56 d (93 %) conforming to 40 °C conforming to IEC 60068-2-78 Salt mist in storage conforming to ISO 9227 Exposure to dry heat in operation conforming to IEC 60068-2-2 Exposure to dry heat in storage conforming to IEC 60068-2-2 |
| Vibration Resistance | 1 gn (f = 58...150 Hz) conforming to IEC 60068-2-1 +/- 0.075 mm (f = 10...58 Hz) conforming to IEC 60068-2-1 |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -25...70 °C |
| Ambient Air Temperature For Storage | -25...70 °C |
| Fire Resistance | 850 °C during 30 s |
| Operating Altitude | < 2000 m |
| Directives | 89/336/EEC - electromagnetic compatibility 93/68/EEC - low voltage directive 72/23/EEC - low voltage directive 92/31/EEC - electromagnetic compatibility |
| Product Certifications | UL listed file E322124 CE |

Packing Units

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|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 5.04 cm |
| Package 1 Width | 4.25 cm |
| Package 1 Length | 7.2 cm |
| Package 1 Weight | 250.0 g |