Product data sheet
Characteristics

REL91262
RelayAux - fast trip and lockout relay - 4 C/O - pick-up time < 10 ms - 48 V DC

Main

Range of product	RelayAux
Product or component type	Fast trip and lockout relay
Coil type	Low consumption
[Uc] control circuit voltage	48 V DC (- 20 % + 10 % Un)
Type of connectors	REL91350 (front connection socket) REL91359 (flush mounting socket)
Status LED	Without
Control type	Manual reset Automatic reset
Local signalling	Mechanical indicator (red)contact position:

Complementary

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	80 A during 200 ms 200 A during 10 ms
Maximum making capacity	40 A during 0.5 s at 110 V DC
Mechanical durability	10000000 cycles
Consumption in permanence (Un)	Low consumption: 17 W - average High consumption: 21 W High consumption: 500 W - peak (< 2 ms)
Pick-up time	10 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	45 mm
Width	45 mm
Depth	96.5 mm
Net weight	0.3 kg

Environment

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	92/31/EEC - electromagnetic compatibility 93/68/EEC - low voltage directive 89/336/EEC - electromagnetic compatibility 72/23/EEC - low voltage directive
Product certifications	UL listed file E322124 RoHS CE