

Product data sheet

Specifications



RelayAux - fast trip and lockout relay - 8 C/O - pick-up time < 10 ms - 24 V DC

REL91280

Main

Range Of Product	RelayAux
Product Or Component Type	Fast trip and lockout relay
Coil Type	Low consumption
[Uc] Control Circuit Voltage	24 V DC (- 20 % + 10 % Un)
Type Of Connectors	REL91351 (front connection socket) REL91360 (flush mounting socket)
Status Led	Without
Control Type	Manual reset Automatic reset
Local Signalling	Mechanical indicator (red) for contact position

Complementary

Contacts Type And Composition	8 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)	High consumption: 500 W - peak (< 2 ms) Low consumption: 1.4 W - permanent High consumption: 45 W
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	50 mm
Width	90 mm
Depth	100.5 mm
Net Weight	0.6 kg

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

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.2 cm
Package 1 Width	9.2 cm
Package 1 Length	11.6 cm
Package 1 Weight	506 g
Unit Type Of Package 2	S02

Number Of Units In Package 2	15
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.93 kg