Product data sheet

Specifications

RelayAux - time lag relay - 4 C/O - pick-up time < 23 ms - 24 V AC/DC

REL91300

Main

Range Of Product	RelayAux
Product Or Component Type	Time delay relay
[Uc] Control Circuit Voltage	24 V AC/DC (- 30 % + 25 % Un)
Product Compatibility	REL91350 (front connection socket) REL91357 (flush mounting socket)
Status Led	With
Local Signalling	LED

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	Ag
Permanent Current	10 A
Instantaneous Current	30 A during 1 s 80 A during 200 ms 200 A during 10 ms
Maximum Making Capacity	40 A during 0.5 s at 110 V DC 30 A during 1 s at 36 V DC
Mechanical Durability	10000000 cycles
Average Coil Consumption	4 W
Pick-Up Time	23 ms
Drop-Out Time	40 ms
Maximum Contact Resistance	30 mOhm
Mechanical Robustness	Shocks 11 ms (5 gn) conforming to IEC 60068-2-27 Bumps 16 ms (10 Gn) conforming to IEC 60068-2-29
Width	42.5 mm
Depth	96.6 mm
Net Weight	0.265 kg

Environment

Dielectric Strength	2 kV 50 Hz 1 min conforming to IEC 60255-5
Maximum Relative Humidity	93 % at 40 °C

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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
Climatic Withstand	Exposure to cold (in operation) : - 25 °C conforming to IEC 60068-2-1
	Exposure to cold (in storage) : - 25 °C conforming to IEC 60068-2-1
	Continuous exposure to damp heat (in storage) : 56 days, 93 % RH, 40 °C conforming to IEC 60068-2-78
	Salt mist (in storage) : 6 days conforming to ISO 9227
	Exposure to dry heat (in operation) : 55 °C conforming to IEC 60068-2-2
	Exposure to dry heat (in storage) : 55 °C 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…55 °C
Ambient Air Temperature For Storage	-25…55 °C
Fire Resistance	850 °C during 30 s
Operating Altitude	< 2000 m
Directives	93/68/EEC - low voltage directive
	72/23/EEC - low voltage directive
	92/31/EEC - electromagnetic compatibility
	89/336/EEC - electromagnetic compatibility
Product Certifications	CE
	UL listed file E322124
Height	50.4 mm

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	5.0 cm
Package 1 Length	2.3 cm
Package 1 Weight	270.0 g

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