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Product data sheet
Characteristics

RSL1PREU
Interface plug-in relay, 6 A, 1 CO, with LED, 48 V DC



Main

Range of product	Harmony Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
Contact operation	Standard
[Uc] control circuit voltage	48 V DC
[Ithe] conventional enclosed thermal current	6 A -40…131 °F (-40…55 °C)
Status LED	With
Shape of pin	Flat (PCB type)

Complementary

Fixing mode	Plastic compression spring
Average resistance	10600 Ohm DC 23 °C +/- 10 %
[Ui] rated insulation voltage	250 V EN/IEC 277 V cUL
[Uimp] rated impulse withstand voltage	6 kV IEC
Contacts material	Silver alloy (AgSnO2)
[Ie] rated operational current	6 A 1 C/O AC-1/DC-1)IEC/UL
Minimum switching current	100 mA
Maximum switching voltage	277 V
Switching voltage	12 V
Maximum switching capacity	1500 VA 150 W
Minimum switching capacity	120 mW
Operating rate	<= 72000 cycles/hour no-load <= 360 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles resistive, 6 A 250 V, AC-1
Operating time	5 ms reset 12 ms
Marking	CE
Protection category	RT III
Test levels	Level A group mounting
Operating position	Any position
Height	3.09 in (78.6 mm)
Maximum Width	0.24 in (6.2 mm)
Depth	3.98 in (101 mm)
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Sale per indivisible quantity	10
Net Weight	0.06 lb(US) (0.029 kg)
Load current	6 A 250 V AC 0.5 mm mounting distance
Average coil consumption	0.17 W, DC
Drop-out voltage threshold	>= 0.05 Uc

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Contact terminal arrangement	Separate
Connections - terminals	Spring terminals, 1 x 0.2...1 x 1.5 mm² AWG 24...AWG 16) flexible with cable end Spring terminals, 1 x 0.2...1 x 1.5 mm² AWG 24...AWG 16) solid without cable end
Tightening torque	10...40 N.m
Safety reliability data	B10d = 60000
Clamping force	10…40 N
Control type	Without push-button
Mounting support	35 mm symmetrical DIN rail
Device presentation	Complete product

Environment

Input voltage	48 V AC/DC 43.2...57.6 V)
Dielectric strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	CSA C22.2 No 14 EN/IEC 61810-1 UL 508
Product certifications	GOST CSA UL
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Vibration resistance	10 gn +/- 1 mm 10…150 Hz)10 cycles not operating EN/IEC 60068-2-6 5 gn +/- 1 mm 10…150 Hz)10 cycles in operation EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn 11 ms) in operation EN/IEC 60068-2-27 5 gn 11 ms) not operating EN/IEC 60068-2-27
Ambient air temperature for operation	-40…55 °C

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901456810
Nbr. of units in pkg.	10
Package weight(Lbs)	0.07 lb(US) (0.03 kg)
Returnability	No
Country of origin	CN

Packing Units

Package 1 Height	0.700 dm
Package 1 width	0.900 dm
Package 1 Length	1.070 dm

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

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Contractual warranty

Warranty	18 months

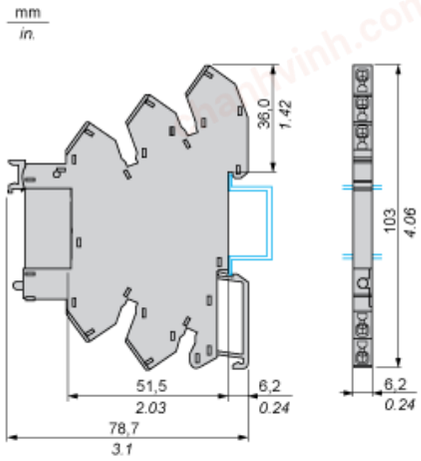
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Product data sheet
Dimensions Drawings

RSL1PREU

Dimensions



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