

# RSL1PREU

Harmony, Slim interface relay pre-assembled, 6 A, 1 CO, with LED, with protection circuit, spring terminals, 48 V AC/DC



## Main

Range of Product	Harmony Electromechanical Relays
Series name	Interface relay
Product or Component Type	Pre-assembled plug-in relay with socket
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
Operating position	Any position
Height	3.09 in (78.6 mm)
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

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Drop-out voltage threshold	>= 0.05 U <sub>c</sub>
Contact terminal arrangement	Separate
Connections - terminals	Spring terminals, 1 x 0.2...1 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) flexible with cable end Spring terminals, 1 x 0.2...1 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) solid without cable end
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...131 °F (-40...55 °C)

## Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606480077913
Nbr. of units in pkg.	1
Package weight(Lbs)	1.09 oz (31 g)
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.95 in (7.5 cm)
Package 1 width	1.77 in (4.5 cm)
Package 1 Length	1.77 in (4.5 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	11.15 oz (316 g)
Package 2 Height	2.76 in (7 cm)
Package 2 width	4.06 in (10.3 cm)
Package 2 Length	3.35 in (8.5 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	300
Package 3 Weight	23.86 lb(US) (10.823 kg)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

