

# Product data sheet

Specifications



slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, screw connectors, 230V AC/DC

RSL1PVPU

**Product availability : Stock - Normally stocked in distribution facility**

## 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	60 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	20500 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
Minimum 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

<b>Operating time</b>	5 ms reset 12 ms
<b>Reset time</b>	20 ms
<b>Marking</b>	CE
<b>Protection category</b>	RT III
<b>Test levels</b>	Level A
<b>Operating position</b>	Any position
<b>Height</b>	3.09 in (78.6 mm)
<b>Width</b>	0.24 in (6.2 mm)
<b>Depth</b>	3.74 in (95 mm)
<b>Terminals description ISO n°1</b>	(11-12-14)OC (A1-A2)CO
<b>Sale per indivisible quantity</b>	10
<b>Net Weight</b>	0.06 lb(US) (0.029 kg)
<b>Load current</b>	6 A 250 V AC 0.5 mm mounting distance
<b>Average coil consumption</b>	0.17 W, DC
<b>Drop-out voltage threshold</b>	>= 0.05 U <sub>c</sub>
<b>Contact terminal arrangement</b>	Separate
<b>Connections - terminals</b>	Screw connectors, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) flexible with cable end Screw connectors, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) solid without cable end
<b>Tightening torque</b>	< 0.5 N.m M2.5
<b>Safety reliability data</b>	B10d = 60000
<b>Control type</b>	Without push-button
<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>Device presentation</b>	Complete product

## Environment

<b>Input voltage</b>	230 V AC/DC 184...264.5 V)
<b>Dielectric strength</b>	1000 V AC between contacts 4000 V AC between coil and contact
<b>Standards</b>	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
<b>Product Certifications</b>	GOST CSA UL
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Vibration resistance</b>	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
<b>IP degree of protection</b>	IP40 conforming to EN/IEC 60529
<b>Shock resistance</b>	10 gn 11 ms) in operation EN/IEC 60068-2-27 5 gn 11 ms) not operating EN/IEC 60068-2-27
<b>Ambient air temperature for operation</b>	-40...158 °F (-40...70 °C)

## Ordering and shipping details

<b>Category</b>	21127-ZELIO ICE CUBE RELAYS
<b>Discount Schedule</b>	CP2
<b>GTIN</b>	3606480077869

Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.28 in (0.7 cm)
Package 1 Width	3.78 in (9.6 cm)
Package 1 Length	3.11 in (7.9 cm)
Package 1 Weight	0.99 oz (28.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	2.76 in (7.0 cm)
Package 2 Width	4.06 in (10.3 cm)
Package 2 Length	3.35 in (8.5 cm)
Package 2 Weight	10.97 oz (311.0 g)
Unit Type of Package 3	S03
Number of Units in Package 3	300
Package 3 Height	11.81 in (30.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	21.65 lb(US) (9.822 kg)

## Offer Sustainability

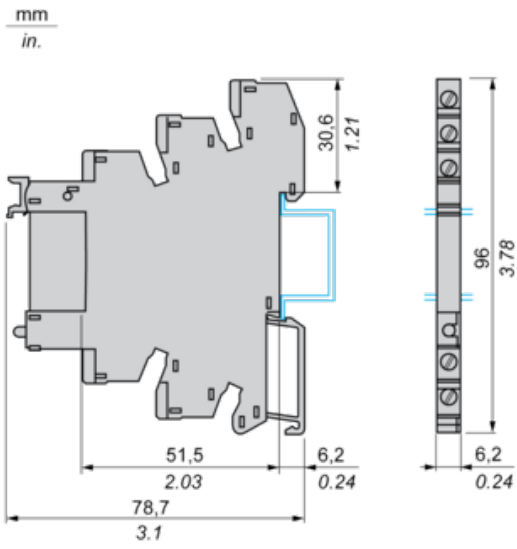
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information 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
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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**Dimensions**

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**Recommended replacement(s)**