

# Product data sheet

Specifications



slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, spring terminals, 24V AC/DC

RSL1PRBU

## 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	24 V AC/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	3390 Ohm DC 23 °C +/- 10 %
[Ui] Rated Insulation Voltage	250 V 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
Operating Time	5 ms reset 12 ms
Marking	CE
Protection Category	RT III

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

Test Levels	Level A group mounting
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	(A1-A2)CO (11-12-14)OC
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
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
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	24 V AC/DC 21.6...28.8 V)
Dielectric Strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	IEC 61810-1 CSA C22.2 No 14 UL 508
Product Certifications	UL CSA GOST
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Vibration Resistance	10 gn +/- 1 mm 10...150 Hz)10 cycles not operating IEC 60068-2-6 5 gn +/- 1 mm 10...150 Hz)10 cycles in operation IEC 60068-2-6
Ip Degree Of Protection	IP40 IEC 60529
Shock Resistance	10 gn 11 ms) in operation IEC 60068-2-27 5 gn 11 ms) not operating IEC 60068-2-27
Ambient Air Temperature For Operation	-40...131 °F (-40...55 °C)

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.31 in (0.800 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	4.13 in (10.500 cm)

Package 1 Weight	0.99 oz (28 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	2.76 in (7.000 cm)
Package 2 Width	3.46 in (8.800 cm)
Package 2 Length	4.33 in (11.000 cm)
Package 2 Weight	10.86 oz (308 g)
Unit Type Of Package 3	S03
Number Of Units In Package 3	300
Package 3 Height	11.81 in (30.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	21.57 lb(US) (9.782 kg)

## Contractual warranty

Warranty	18 months
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Sustainability



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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Toxic Free	
✓	Phenolic Free Solution	

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>

Dimensions Drawings

Dimensions

