# **Product data sheet**

Specification





slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, spring terminals, 12V AC/DC

RSL1PRJU

#### 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	12 V AC/DC
[Ithe] Conventional Enclosed Thermal Current	6 A -40131 °F (-4055 °C)
Status Led	With
Shape Of Pin	Flat (PCB type)

### Complementary

Fixing Mode	Plastic compression spring
Average Resistance	848 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)
[le] 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

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 0.21 x 1.5 mm² AWG 24AWG 16) flexible with cable end Spring terminals, 1 x 0.21 x 1.5 mm² AWG 24AWG 16) solid without cable end
Safety Reliability Data	B10d = 60000
Clamping Force	1040 N
Control Type	Without push-button
Mounting Support	35 mm symmetrical DIN rail
Device Presentation	Complete product
Environment	
Input Voltage	12 V AC/DC 11.414.4 V)
	12 V AC/DC 11.414.4 V)  1000 V AC between contacts 4000 V AC between coil and contact
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Input Voltage Dielectric Strength	1000 V AC between contacts 4000 V AC between coil and contact CSA C22.2 No 14 UL 508
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Input Voltage Dielectric Strength  Standards  Product Certifications  Ambient Air Temperature For Storage Vibration Resistance  Ip Degree Of Protection Shock Resistance  Ambient Air Temperature For	1000 V AC between contacts 4000 V AC between coil and contact  CSA C22.2 No 14 UL 508 IEC 61810-1  CSA UL GOST  -40185 °F (-4085 °C)  10 gn +/- 1 mm 10150 Hz)10 cycles not operating IEC 60068-2-6 5 gn +/- 1 mm 10150 Hz)10 cycles in operation IEC 60068-2-6  IP40 IEC 60529  10 gn 11 ms) in operation IEC 60068-2-27 5 gn 11 ms) not operating IEC 60068-2-27
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Package 1 Weight	1.09 oz (31 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	3.35 in (8.5 cm)
Package 2 Width	2.76 in (7 cm)
Package 2 Length	4.21 in (10.7 cm)
Package 2 Weight	11.11 oz (315 g)
Unit Type Of Package 3	S03
Number Of Units In Package 3	300
Package 3 Height	11.81 in (30 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	21.98 lb(US) (9.968 kg)

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

#### Well-being performance

<b>⊘</b>	Reach Free Of Svhc
<b>Ø</b>	Toxic Heavy Metal Free
<b>Ø</b>	Mercury Free
<b>②</b>	Rohs Exemption Information Yes
<b>②</b>	Toxic Free
<b>②</b>	Phenolic Free Solution

#### **Certifications & Standards**

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

### **Dimensions Drawings**

#### **Dimensions**

