# Product data sheet

Specifications





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

RSL1PRPU

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

### Complementary

Complementary	
Fixing Mode	Plastic compression spring
Average Resistance	20500 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
Reset Time	20 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 mm <sup>2</sup> AWG 24AWG 16) flexible with cable end Spring terminals, 1 x 0.21 x 1.5 mm <sup>2</sup> 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	230 V AC/DC 184264.5 V)
Dielectric Strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	CSA C22.2 No 14 IEC 61810-1 UL 508
Product Certifications	GOST CSA UL
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Vibration Resistance	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
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	-40158 °F (-4070 °C)

# **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	3.15 in (8 cm)

Package 1 Length	3.82 in (9.7 cm)
Package 1 Weight	0.95 oz (27 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
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)
Package 2 Weight	10.76 oz (305 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	19.38 lb(US) (8.79 kg)

## **Contractual warranty**

Warranty

18 months

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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

Learn more about Green Premium >

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	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

# Product data sheet

#### **Dimensions Drawings**

#### Dimensions

