

# RSL1PRFU

Interface plug-in relay, 6 A, 1 CO, with LED, 60 V 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	60 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	With
Shape of pin	Flat (PCB type)

## Complementary

Fixing mode	Plastic compression spring
Average resistance	20500 Ohm network: DC at 23 °C +/- 10 %
[Ui] rated insulation voltage	250 V conforming to EN/IEC 277 V conforming to 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) conforming to 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 for resistive load, 6 A at 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	78.6 mm
Width	6.2 mm
Depth	101 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Sale per indivisible quantity	10
Net weight	0.029 kg
Load current	6 A at 250 V AC 0.5 mm mounting distance
Average coil consumption	0.17 W, DC

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Drop-out voltage threshold	$\geq 0.05 U_c$
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
Tightening torque	10...40 N.m
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	110 V AC/DC (input voltage limit: 88...126.5 V)
Dielectric strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA GOST UL
Ambient air temperature for storage	-40...85 °C
Vibration resistance	10 gn, amplitude = +/- 1 mm (f = 10...150 Hz) 10 cycles not operating conforming to EN/IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz) 10 cycles in operation conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn (duration = 11 ms) for in operation conforming to EN/IEC 60068-2-27 5 gn (duration = 11 ms) for not operating conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...70 °C

## Packing Units

Package 1 Weight	0.030 kg
Package 1 Height	0.700 dm
Package 1 width	0.900 dm
Package 1 Length	1.070 dm

## Offer Sustainability

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>
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

