Product data sheet
Characteristics

RSL1PVEU
slim interface pre assembled plug in relay with socket, Harmony Electromechanical Relays, 6A, 1CO, with LED, screw connector, 48V AC/DC



Main

Range of product	Harmony Electromechanical Relays
Series name	RSL series
Product or component type	Pre-assembled plug-in relay with socket
Relay type	Slim interface relay
Contact operation	Standard
Contacts type and composition	1 C/O
Status LED	With
[Uc] control circuit voltage	48 V AC/DC
[Ithe] conventional enclosed thermal current	6 A at -40…55 °C

Complementary

Fixing mode	Plastic compression spring
Average resistance	10600 Ohm network: DC at 23 °C +/- 10 %
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC
[Ie] rated operational current	6 A 1 C/O (AC-1/DC-1) conforming to IEC/UL
Minimum switching current	100 MA
Minimum switching voltage	12 V
[Ui] rated insulation voltage	250 V conforming to IEC 277 V conforming to cUL
Minimum switching capacity	120 mW
Maximum switching voltage	277 V
Drop-out voltage threshold	>= 0.05 Uc
Load current	6 A at 250 V AC 0.5 mm mounting distance
Electrical durability	60000 cycles for resistive load, 6 A at 250 V, AC-1
Maximum switching capacity	1500 VA 150 W
Operating time	5 ms reset 12 ms
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Average coil consumption	0.17 W, DC
Mechanical durability	10000000 Cycles
Safety reliability data	B10d = 60000
Operating rate	<= 72000 cycles/hour no-load <= 360 cycles/hour under load
Tightening torque	< 0.5 N.m for M2.5 screw(s)

Control type	Without lockable test button
Compatibility code	RSL
Contact terminal arrangement	Separate
Connections - terminals	Screw connectors, 1 x 0.2...1 x 2.5 mm² (24 AWG...14 AWG) flexible with cable end Screw connectors, 1 x 0.2...1 x 2.5 mm² (24 AWG...14 AWG) solid without cable end
Protection category	RT III
Mounting support	35 mm symmetrical DIN rail
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Sale per indivisible quantity	10
Contacts material	Silver alloy (AgSnO2)
Shape of pin	Flat (PCB type)
Width	6.2 Mm
Height	78.6 Mm
Depth	95 Mm
Net weight	0.029 Kg

Environment

Input voltage	48 V AC/DC (input voltage limit: 43.2...57.6 V)
Dielectric strength	1000 V AC between contacts 4000 V AC between coil and contact
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-40…55 °C
Standards	CSA C22.2 No 14 UL 508 IEC 61810-1
Product certifications	GOST[RETURN]CSA[RETURN]UL
Marking	CE
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 IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f = 10…150 Hz)10 cycles in operation conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27 5 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.7 Cm
Package 1 Width	7.9 Cm
Package 1 Length	9.6 Cm
Package 1 Weight	28 G
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	7 Cm
Package 2 Width	10.3 Cm
Package 2 Length	8.5 Cm
Package 2 Weight	310 G
Unit Type of Package 3	S03
Number of Units in Package 3	300
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	9.848 Kg

Offer Sustainability

Recyclability potential, in %	41
Total lifecycle Carbon footprint	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.27483067729713645
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.015185817897280726
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3.0779869216419082
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	3 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0627053188436503
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Toxic free	Yes
Phenolic free solution	Yes
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	3
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is k
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised