

RSL1GB4BD

slim interface plug in relay, Harmony
Electromechanical Relays, 6A, 1CO, low level,
24V DC

Main

Range of Product	Harmony Electromechanical Relays
Series name	Slim interface relay
Product or Component Type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
Contact operation	Low level
[Uc] control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	6 A -40...131 °F (-40...55 °C)
Status LED	Without
Control Type	Without push-button

Complementary

Shape of pin	Flat (PCB type)
Average resistance	3390 Ohm at 73 °F (23 °C) +/- 15 %
Rated operational voltage limits	18...33.6 V DC
[Ui] rated insulation voltage	250 V IEC 277 V cUL
[Uimp] rated impulse withstand voltage	6 kV IEC
Contacts material	Silver alloy - gold plated (AgSnO2)
[Ie] rated operational current	6 A AC-1/DC-1)IEC/UL
Minimum switching current	1 mA
Maximum switching voltage	277 V
Minimum switching voltage	24 V
Maximum switching capacity	1500 VA 50 W
Minimum switching capacity	24 mW
Operating rate	<= 360 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles, 6 A at 250 V, AC-1 C/O
Operating time	5 ms reset 12 ms
Protection category	RT III
Test levels	Level A group mounting
Operating position	Any position
Width	0.2 in (5 mm)
Height	1.1 in (28 mm)
Depth	0.7 in (18.5 mm)
Terminals description ISO n°1	(A1-A2)CO (11-12-14)OC
Net Weight	0.0119 lb(US) (0.0054 kg)
Load current	6 A 250 V AC 0.5 mm mounting distance
Average coil consumption	0.17 W
Drop-out voltage threshold	>= 0.05 Uc

Safety reliability data	B10d = 60000
Mounting Support	Socket or PCB
Device presentation	Complete product

Environment

Dielectric strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	EAC[RETURN]CSA[RETURN]UL
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	+/- 1 mm 10...55 Hz)IEC 60068-2-6
IP degree of protection	IP40 conforming to IEC 60529
Shock resistance	5 gn 11 ms) not operating IEC 60068-2-27 5 gn 11 ms) in operation IEC 60068-2-27
Ambient air temperature for operation	-40...131 °F (-40...55 °C)

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480077968
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.20 in (0.5 cm)
Package 1 Width	0.59 in (1.5 cm)
Package 1 Length	1.10 in (2.8 cm)
Package 1 Weight	0.2 oz (6 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	0.28 in (0.7 cm)
Package 2 Width	0.94 in (2.4 cm)
Package 2 Length	12.01 in (30.5 cm)
Package 2 Weight	2.4 oz (68 g)
Unit Type of Package 3	S01
Number of Units in Package 3	500
Package 3 Height	5.91 in (15 cm)
Package 3 Width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	7.992 lb(US) (3.625 kg)

Offer Sustainability

Packaging without single use plastic	No
Packaging made with recycled cardboard	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Toxic free	Yes
Phenolic free solution	Yes
Take-back	No
Carbon footprint (kg CO2 eq, Total Life cycle)	2

Contractual warranty

Warranty	18 months
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