Product data sheet
Characteristics

RSB2A080U7
interface plug-in relay, Harmony electromechanical relays, 8A, 2CO, 240V AC



Commercial status
End of Commercialisation : AUG 15, 2024

⚠ End of Commercialisation

Main

Range of product	Harmony Electromechanical Relays
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSB
Contacts type and composition	2 C/O
Contact operation	Standard
[Uc] control circuit voltage	240 V AC 50/60 Hz
Status LED	Without
Control type	Without push-button
[Ithe] conventional enclosed thermal current	8 A at -40…40 °C

Complementary

Average resistance	33000 Ohm network: AC at 20 °C +/- 10 %
[Ue] rated operational voltage	192...360 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	3.6 KV conforming to IEC 61000-4-5
[Ie] rated operational current	4 A (AC-1/DC-1) NC conforming to IEC 8 A (AC-1/DC-1) NO conforming to IEC
[Ui] rated insulation voltage	400 V conforming to IEC 60947
Maximum switching voltage	300 V DC conforming to IEC
Drop-out voltage threshold	>= 0.15 Uc AC
Load current	8 A at 250 V AC 8 A at 28 V DC
Minimum switching current	10 MA
Maximum switching capacity	2000 VA/224 W
Switching voltage	12 V
Minimum switching capacity	120 mW at 10 mA, 12 V
Operating time	20 ms operating 20 ms reset
Mechanical durability	5000000 Cycles
Electrical durability	100000 Cycles, 8 A at 250 V, AC-1 NO 100000 Cycles, 4 A at 250 V, AC-1 NC
Safety reliability data	B10d = 100000
Operating rate	<= 600 cycles/hour under load <= 18000 cycles/hour no-load
Average coil consumption	0.75 VA AC
Protection category	RT I
Operating position	Any position

Test levels	Level A group mounting
Device presentation	Complete product
Sale per indivisible quantity	10
Contacts material	Silver alloy (AgNi)
Shape of pin	Flat (PCB type)
Net weight	0.014 Kg
Compatibility code	RSB

Environment

Dielectric strength	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
Vibration resistance	+/- 1 mm (f= 10…55 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-40…70 °C (AC)
Standards	CSA C22.2 No 14 IEC 61810-1 UL 508
Product certifications	EAC[RETURN]UL[RETURN]CSA
Marking	CE
Ambient air temperature for storage	-40…85 °C
Shock resistance	10 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27 5 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.7 Cm
Package 1 Width	2.5 Cm
Package 1 Length	3.1 Cm
Package 1 Weight	16 G
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.8 Cm
Package 2 Width	2.6 Cm
Package 2 Length	31 Cm
Package 2 Weight	162 G
Unit Type of Package 3	S01
Number of Units in Package 3	350
Package 3 Height	15 Cm
Package 3 Width	15 Cm
Package 3 Length	40 Cm
Package 3 Weight	5.932 Kg

Offer Sustainability

Recyclability potential, in %	75
Total lifecycle Carbon footprint	7 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.1424805609
Carbon footprint of the manufacturing phase [A1 to A3]	0.1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0020922371
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0001028528
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	7.1651623282
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	7 kg CO2 eq.
Toxic heavy metal free	Yes

Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.0267207138
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	7
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	45b41055-6c52-408d-9c0c-5c663b810f29
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	No need of specific recycling operations

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

RSB2A080U7 may be replaced by any of the following products:



RSB2A080P7

interface plug in relay, Harmony Electromechanical Relays, 8A, 2CO, without LED, without lockable test button, 230V

Qty 1

Substitution date: |