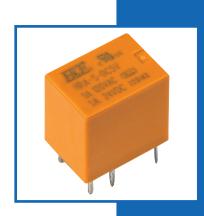


Micro Miniature Signal Relays



DESCRIPTION

A range of Micro Miniature SPDT Signal Relays. These general purpose, single pole, through hole mounting relays are designed for switching small measurement and control signals within circuits.

DISTINCTIVE FEATURES

- · Micro miniature size
- Light weight Construction
- Contact 1 Form C
- SPDT contact configuration
- PCB mounting
- Fully Sealed Construction

APPLICATIONS

The small dimensions and lightweight construction of these micro miniature signal relays make them suitable for a wide variety of applications, including communications, measurement, automation control and audio visual equipment.

1A



CSA

SPDT





ELECTRICAL SPECIFICATION

Contact Form	1 Form C	
Contact Rating	1A 120VAC/24VDC	
Contact Resistance	Max. 50mΩ (6VDC 0.1A)	
Insulation Resistance	Min. 100MΩ 500VDC	
Max Switching Voltage	120VAC/30VDC	
Max Switching Current	2A	
Max Switching Power	120VA, 30W	
Min Switching Load	5VDC, 10mA	
Between Open Contacts	500VAC, 1min	
Between Coil & Contacts	500VAC, 1min	

Coil Data (Ambient Temperature 23°C)	Coil Power mW	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operating Voltage ≤VDC	Release Voltage ≥VDC
61-6280	450	5	55	3.5	0.5
61-6281	450	12	320	8.4	1.2
61-6282	450	24	1280	16.8	2.4



GENERAL SPECIFICATION

Series	Micro miniature signal relays	
Mounting Type	PCB mounting	
RoHS	Yes	



MATERIALS

Contact Material	AuAg overlay
Outer Case Material	PBT Plastic





CERTIFICATION AND STANDARDS

File Number	Contact Form	Power Consumption	Coil Voltage	Contact rating	Remarks
UL E164730	С	0.45W/0.33W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: 40°C
CSA 1063017(LR 106040)	С	0.45W/0.33W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: normal



ENVIRONMENTAL/OPERATING SPECIFICATION

Electrical Life	100,000 operations		
Mechanical Life	10,000,000 operations		
Operate Time	Max. 6ms		
Release Time	Max. 4ms		
Operating Temperature	-25°C to +70°C		
Humidity	35~95%RH, +40°C		
	Endurance	1,000m/s2	
Shock Resistance	Misoperation	100m/s2	
V(1 - 1 - D - 1 - 1	Endurance	10~55Hz, 1.5mm double amplitude	
Vibration Resistance	Misoperation	10~55Hz, 1.5mm double amplitude	



TERMINALS

Terminal Type	Solder pins	
Terminal Dimensions	See drawing page 4	



OPTIONS (MOQ may apply)

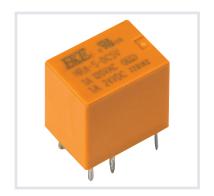
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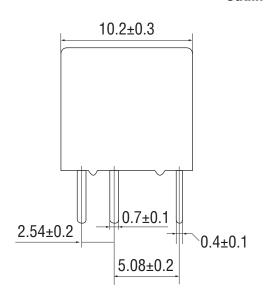


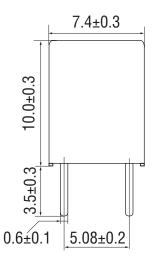
DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise	
Dimensions (Summary)	10.2 x 7.4 x 10mm	
Length	10.2mm	
Width	7.4mm	
Height (Excluding pins)	10mm	
Weight	1.7g	

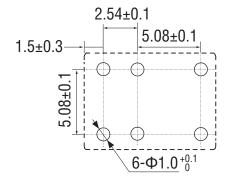


Outline

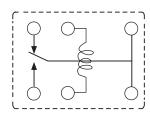




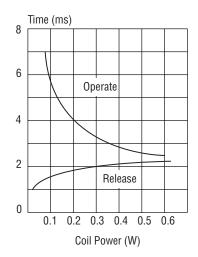
Mounting Hole Layout (Bottom View)



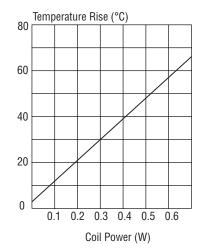
Wiring Diagram (Bottom View)



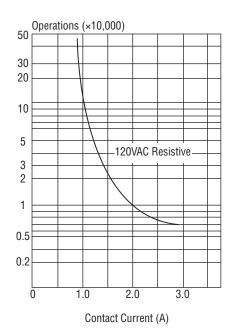
Time Curve



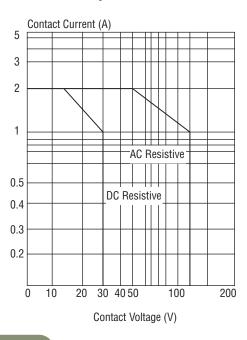
Coil Temperature Rise



Life Curve



Maximum Switching Power





PART NUMBER TABLE

Part number	Nominal Coil Voltage	UNSPSC	EAN	Country of Origin
61-6280	5 VDC	39122325	5053556008278	China
61-6281	12 VDC	39122325	5053556008285	China
61-6282	24 VDC	39122325	5053556008292	China

For further information on pricing, delivery, and long-term stock agreements please contact your local business development person, telephone our main office on **01206 838000** or email **Sales@Rapidonline.com**.



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