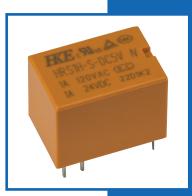
# R-TECH

# Micro Miniature High Sensitivity Signal Relays



DESCRIPTION

A range of Micro Miniature High Sensitivity 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
- Contact 1 Form C
- SPDT contact configurationPCB mounting
- High sensitivity of 200mW
- Fully Sealed Construction

#### APPLICATIONS

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





#### **ELECTRICAL SPECIFICATION**

Contact Form	1 Form C	
Contact Rating	1A/3A 120VAC/24VDC	
Contact Resistance	Max. 50mΩ (6VDC 0.1A)	
Insulation Resistance	Min. 100MΩ 500VDC	
Max Switching Voltage	220VAC/30VDC	
Max Switching Current	ЗА	
Max Switching Power	360VA, 72W	
Min Switching Load	5VDC, 10mA	
Between Open Contacts	750VAC, 1min	
Between Coil & Contacts	1000VAC, 1min	

Coil Data (Ambient Temperature 23°C)	Coil Power mW	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC
<b>61-6286</b> 200		5	125	3.75	0.5
<b>61-6287</b> 200		12	720	9	1.2

## **GENERAL SPECIFICATION**

Series	Micro miniature high sensitivity signal relays	
Mounting Type	PCB mounting	
RoHS	Yes	



6 6 6

# MATERIALS

Contact Material	AuAg overlay	
Outer Case Material	PBT Plastic sealed	



### **CERTIFICATION AND STANDARDS**

File Number	Contact Form	Power Consumption	Coil Voltage	Contact rating	Remarks
	0	0.20W/0.36W	3-24VDC	1A 120VAC/24VDC	
UL E164730	С			3A 120VAC/24VDC	
			3-24VDC	1A 120VAC/24VDC	Ambient Temperature: 70°C
TUV 50103498	С	0.20W/0.36W		3A 250VAC	Ambient Temperature: -25°C~25°C
	1A 120VAC	Ambient Temperature: -40°C~70°C			
CQC 12002086133	С	0.20W/0.36W	3-24VDC	3A 250VAC/24VDC	Ambient Temperature: -25°C~25°C



 $\oslash$ 

#### **ENVIRONMENTAL/OPERATING SPECIFICATION**

Electrical Life	100,000 operations @ 1A/50,000 @ 3A			
Mechanical Life	10,000,000 operations	10,000,000 operations		
Operate Time	Max. 5ms			
Release Time	Max. 5ms	Max. 5ms		
Operating Temperature	-25°C to +70°C			
Humidity	35~95%RH, +40°C			
	Endurance	1,000m/s2		
Shock Resistance	Misoperation	100m/s2		
Vibration Resistance	Endurance 10~55Hz, 1.5mm double amplitude			
	Misoperation	10~55Hz, 1.5mm double amplitude		



#### TERMINALS

	Terminal Type	Solder pins	
Terminal Dimensions		See drawing page 4	



Also available with a coil voltage of 3, 6, 9 & 24VDC

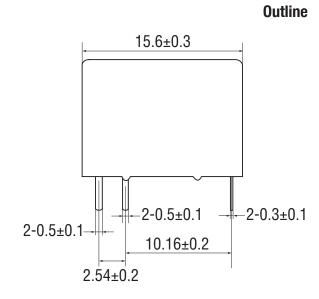




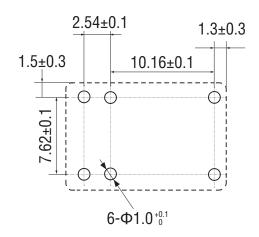
### DIMENSIONS/DRAWINGS

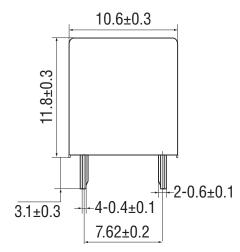
Units	mm - unless stated otherwise		
Dimensions (Summary)	15.6 x 10.6 x 11.8mm		
Length	15.6mm		
Width	10.6mm		
Height (Excluding pins)	11.8mm		
Weight	4.0g		



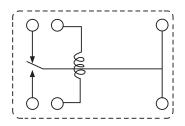


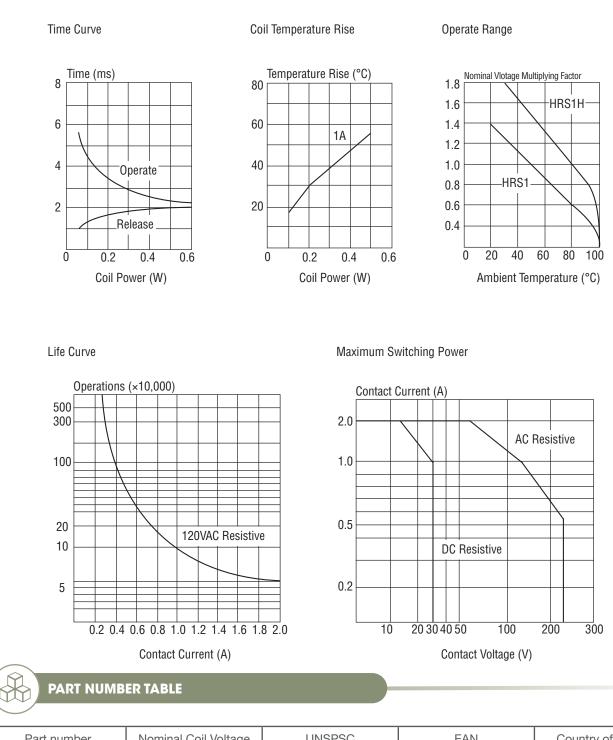






Wiring Diagram (Bottom View)





Part numberNominal Coil Voltage61-62865 VDC		UNSPSC	EAN	Country of Origin
		39122325	5053556008339	China
61-6287	12 VDC	39122325	5053556008346	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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