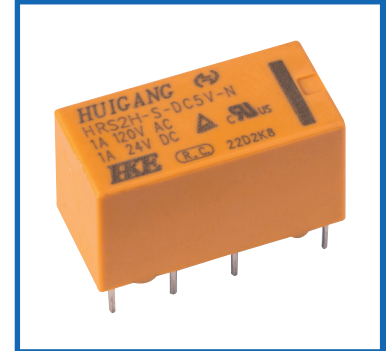


## Micro Miniature High Sensitivity Signal Relays



### DESCRIPTION

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

### DISTINCTIVE FEATURES

- Micro miniature size
- 2 Form C contacts
- DPDT contact configuration
- PCB mounting
- High sensitivity
- 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 and process control equipment. Ideally suited for use in telecommunication and security equipment.

2A

UL

TUV

CQC

DPDT



## ELECTRICAL SPECIFICATION

Contact Form	2 Form C
Contact Rating	1A/2A 120VAC/24VDC
Contact Resistance	Max. 50mΩ (6VDC 0.1A)
Insulation Resistance	Min. 1,000MΩ 500VDC
Surge Strength	1,500VAC, 10x160 μs
Max Switching Voltage	125VAC/30VDC
Max Switching Current	2A
Max Switching Power	240VA, 48W
Min Switching Load	5VDC, 10mA
Between Open Contacts	500VAC, 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>61-6288</b>	200	5	125	3.75	0.5
<b>61-6289</b>	200	12	720	9	1.2
<b>61-6290</b>	200	24	2880	18	2.4



## GENERAL SPECIFICATION

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



## 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
UL E164730	C	0.15W/0.20W/ 0.36W	3-48VDC	1A 120VAC/24VDC	Ambient Temperature: 85°C
				2A 120VAC/24VDC	
	C	0.45W	3-48VDC	1A 120VAC/24VDC	
TUV 50097843	C	0.15W/0.20W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: 70°C
	C	0.40W/0.45W	48VDC	1A 120VAC/24VDC	
CQC 13002092811	C	0.15W/0.20W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: 70°C



## ENVIRONMENTAL/OPERATING SPECIFICATION

Electrical Life	100,000 operations	
Mechanical Life	15,000,000 operations	
Operate Time	Max. 7ms	
Release Time	Max. 3ms	
Operating Temperature	-25°C to +70°C	
Humidity	35~95%RH, +40°C	
Shock Resistance	Endurance	1,000m/s <sup>2</sup>
	Misoperation	100m/s <sup>2</sup>
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



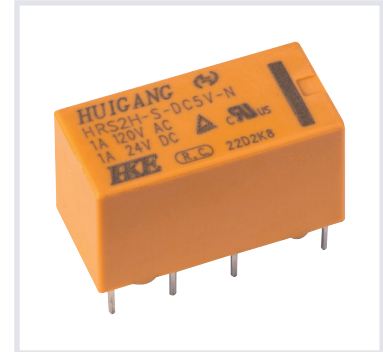
## OPTIONS (MOQ may apply)

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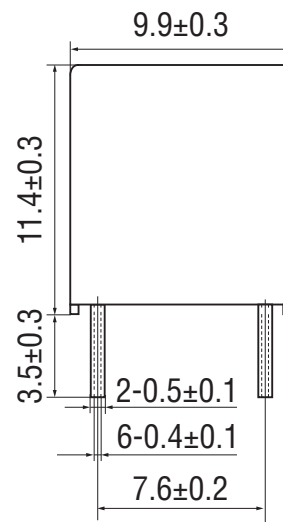
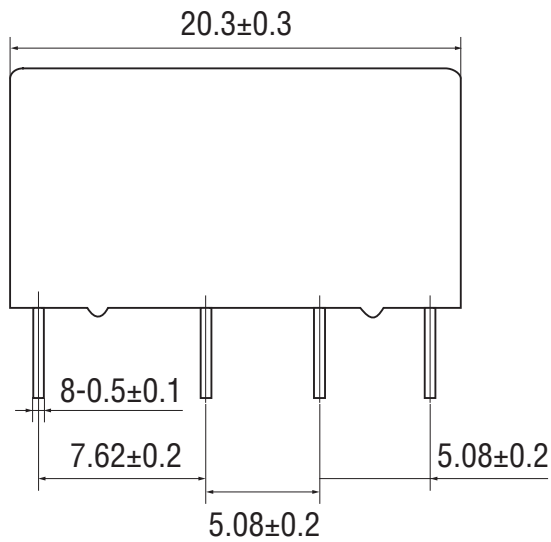


## DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions (Summary)	20.3 x 9.9 x 11.4mm
Length	20.3mm
Width	9.9mm
Height (Excluding pins)	11.4mm
Weight	5.0g

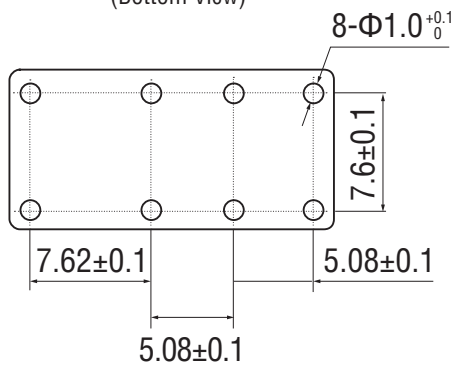


**Outline**



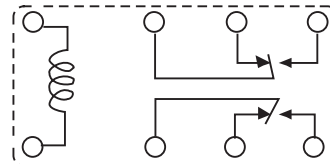
**Wiring Diagram**

(Bottom View)

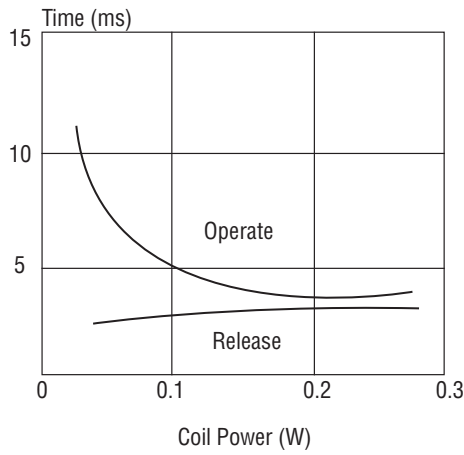


**Mounting Hole Layout**

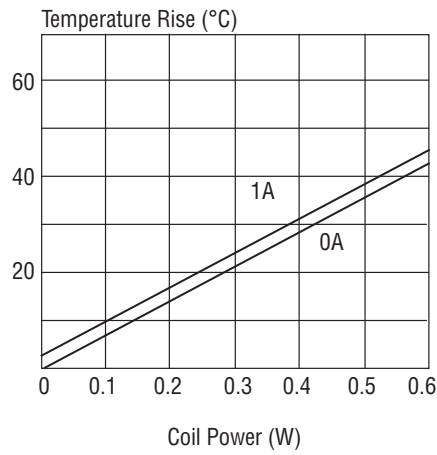
(Bottom View)



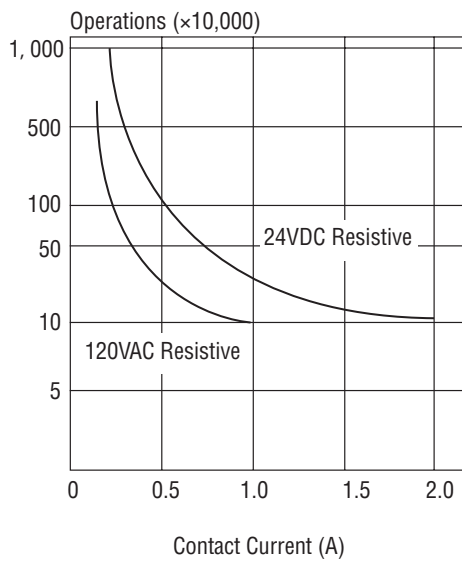
Time Curve



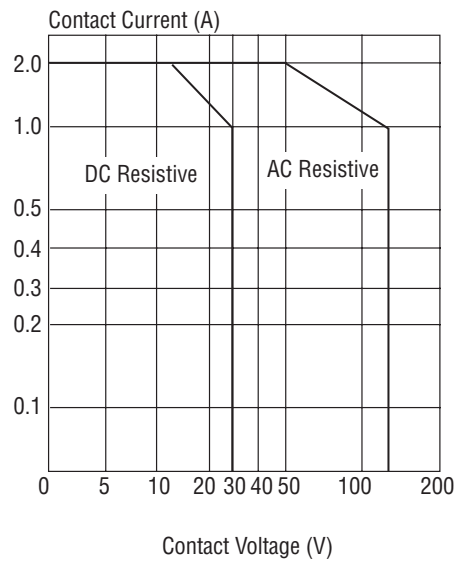
Coil Temperature Rise



Life Curves



Maximum Switching Power



**PART NUMBER TABLE**

Part number	Nominal Coil Voltage	UNSPSC	EAN	Country of Origin
<b>61-6288</b>	5 VDC	39122325	5053556008353	China
<b>61-6289</b>	12 VDC	39122325	5053556008360	China
<b>61-6290</b>	24 VDC	39122325	5053556008377	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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