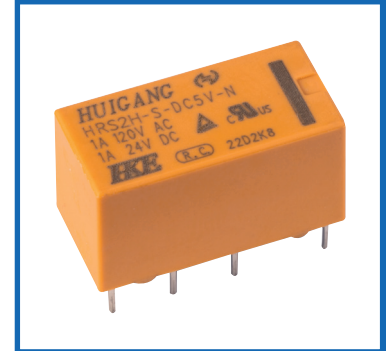


Micro Miniature High Sensitivity Signal Relays



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
61-6288	200	5	125	3.75	0.5
61-6289	200	12	720	9	1.2
61-6290	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 ²
	Misoperation	100m/s ²
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



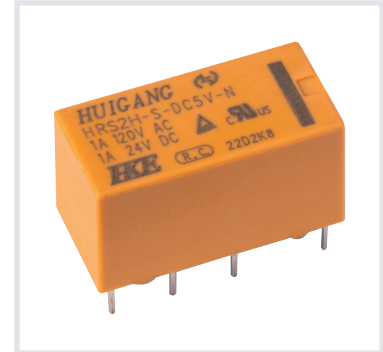
OPTIONS (MOQ may apply)

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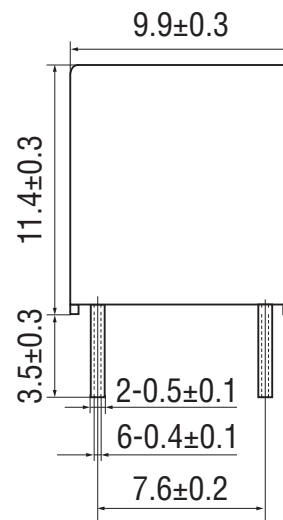
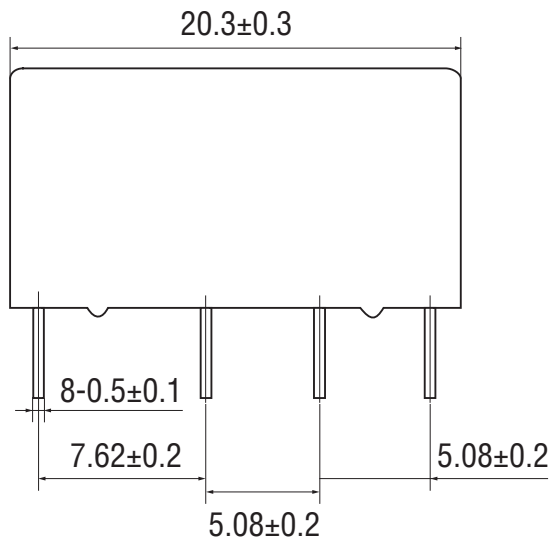


DIMENSIONS/DRAWINGS

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

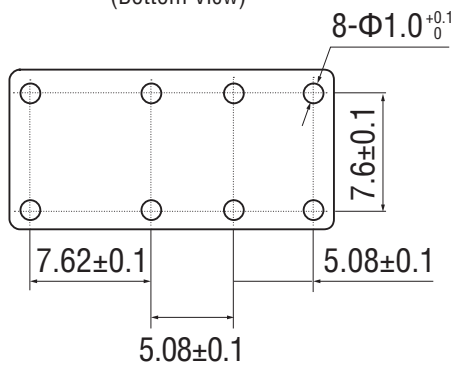


Outline



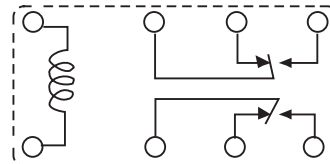
Wiring Diagram

(Bottom View)

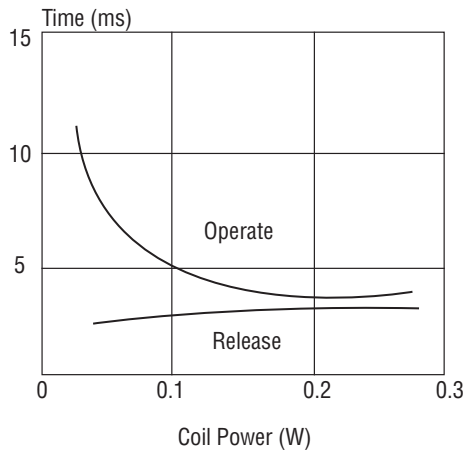


Mounting Hole Layout

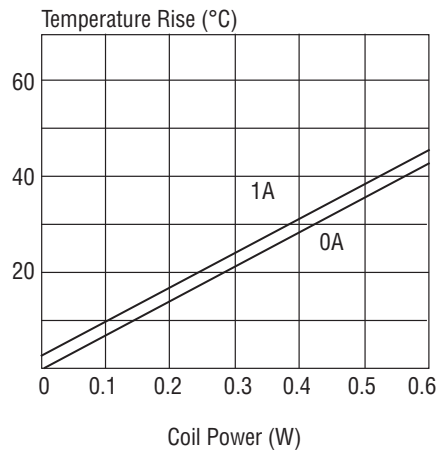
(Bottom View)



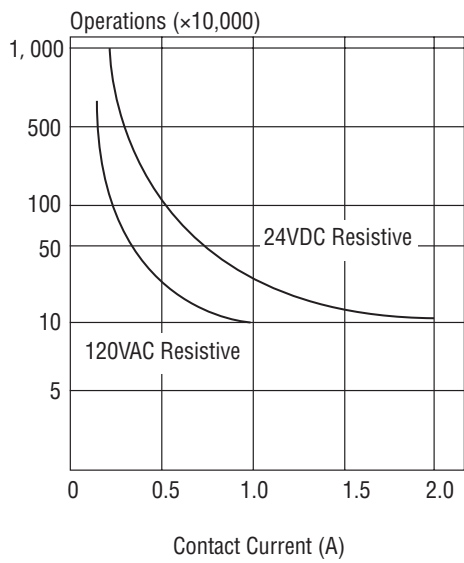
Time Curve



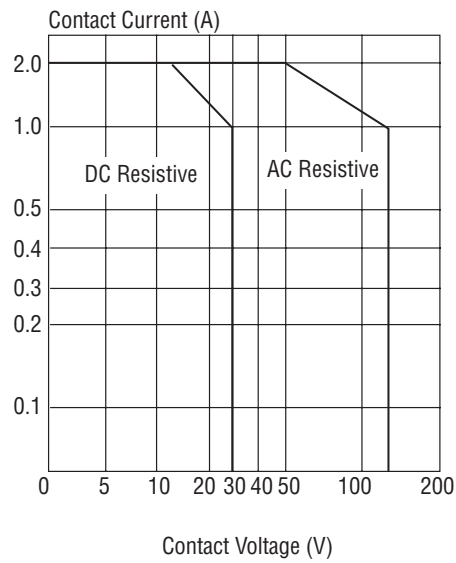
Coil Temperature Rise



Life Curves



Maximum Switching Power



PART NUMBER TABLE

Part number	Nominal Coil Voltage	UNSPSC	EAN	Country of Origin
61-6288	5 VDC	39122325	5053556008353	China
61-6289	12 VDC	39122325	5053556008360	China
61-6290	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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