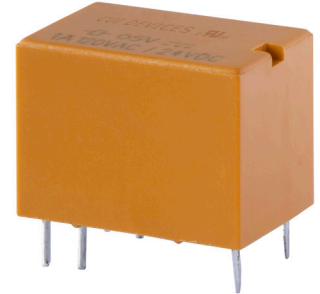


**SERIES:** SR5 | **DESCRIPTION:** SIGNAL RELAY**FEATURES**

- 3~24 Vdc coil voltage
- 200 mW coil power
- contact form 1C

**MODEL**

MODEL	coil voltage typ (Vdc)	coil resistance ( $\Omega \pm 10\%$ )	operating voltage min (Vdc)	release voltage max (Vdc)	coil power typ (mW)
SR5-3V-200-1C	3	45	2.25	0.3	200
SR5-5V-200-1C	5	125	3.75	0.5	200
SR5-9V-200-1C	9	405	6.75	0.9	200
SR5-12V-200-1C	12	720	9.0	1.2	200
SR5-24V-200-1C	24	2,880	18.0	2.4	200

Notes: 1. All specifications are measured at 23°C unless otherwise specified.

**PART NUMBER KEY**

**SR5 - XX - 200 - 1C**

Base Number

Coil Voltage (Vdc):

3V = 3

5V = 5

9V = 9

12V = 12

24V = 24

## CONTACT SPECIFICATIONS

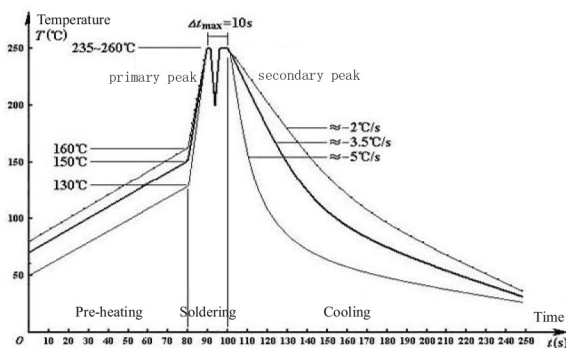
parameter	conditions/description	min	typ	max	units
contact form	1 Form C				
contact material	AuAg overlay				
contact rating	1 A @ 120 Vac, 24 Vdc				
contact resistance	at 6 Vdc, 0.1 A			50	mΩ
max switching voltage				220 30	Vac Vdc
max switching current				3	A
max switching power				360 72	VA W
min switching load	5 Vdc, 10 mA				
life	electrical mechanical		100,000 10,000,000		operations operations

## GENERAL SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
insulation resistance	at 500 Vdc	100			MΩ
dielectric strength	between open contacts for 1 minute between coil and contacts for 1 minute		750 1,000		Vac Vac
operate time				5	ms
release time				5	ms
shock resistance	endurance misoperation		1,000 100		m/s <sup>2</sup> m/s <sup>2</sup>
vibration resistance	endurance: 10~55 Hz, 1.5 mm double amplitude misoperation: 10~55 Hz, 1.5 mm double amplitude				
operating temperature		-25		70	°C
humidity	at 40°C	35		95	%RH
weight			4.0		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	tube: 25 pcs per tube carton size: 466 x 306 x 140 mm carton QTY: 2,000 pcs per carton				

## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3.5±0.5 seconds	340	350	360	°C
wave soldering	for 10±1 seconds	255	260	265	°C



Double-wave Soldering Curve

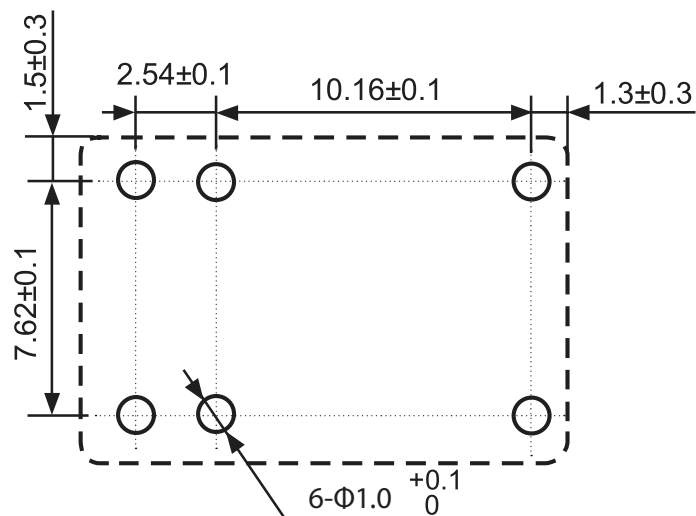
units: mm  
tolerance:  $\pm 0.3$  mm  
unless otherwise noted

Technical drawing of a mechanical part with the following dimensions:

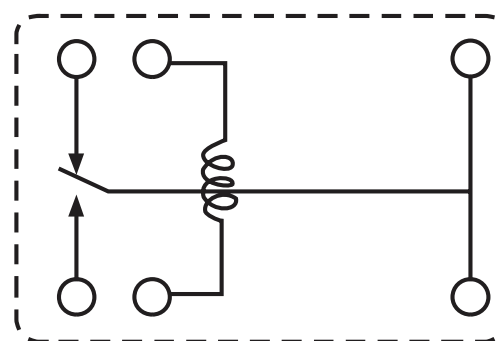
- Overall width:  $15.6 \pm 0.3$
- Overall height:  $20.0 \pm 0.2$
- Top edge radius:  $R1.0$
- Bottom edge radius:  $R1.0$
- Left side hole diameter:  $2.0 \pm 0.1$
- Left side hole position from left edge:  $2.54 \pm 0.2$
- Right side hole diameter:  $2.0 \pm 0.1$
- Right side hole position from right edge:  $2.03 \pm 0.1$
- Distance between hole centers:  $10.16 \pm 0.2$

Technical drawing of a square component with dimensions:

- Overall width:  $10.6 \pm 0.3$
- Overall height:  $11.8 \pm 0.3$
- Bottom-left feature width:  $3.1 \pm 0.3$
- Bottom-left feature depth:  $4 - 0.4 \pm 0.1$
- Bottom-right feature width:  $2 - 0.6 \pm 0.1$
- Bottom-right feature depth:  $2 - 0.6 \pm 0.1$
- Distance between bottom features:  $7.62 \pm 0.2$



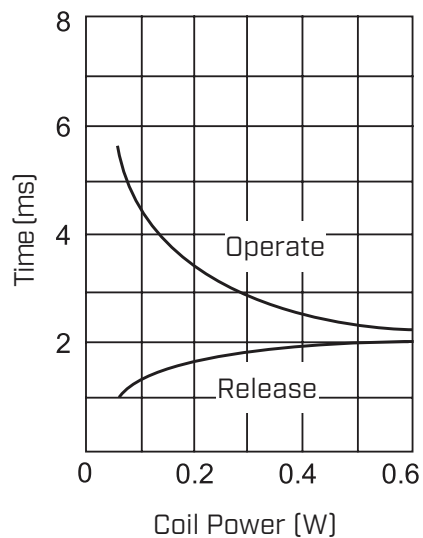
### Recommended PCB Layout Bottom View



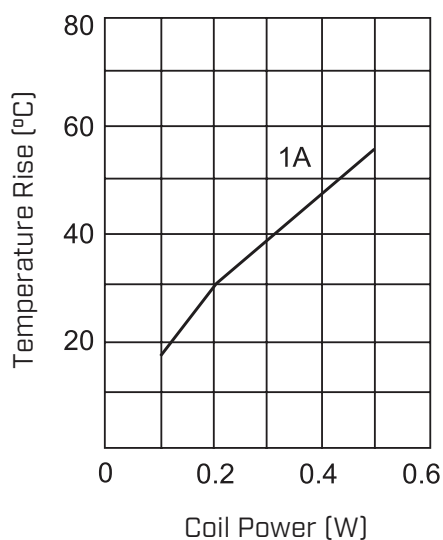
### Wiring Diagram Bottom View

## CHARACTERISTIC CURVES

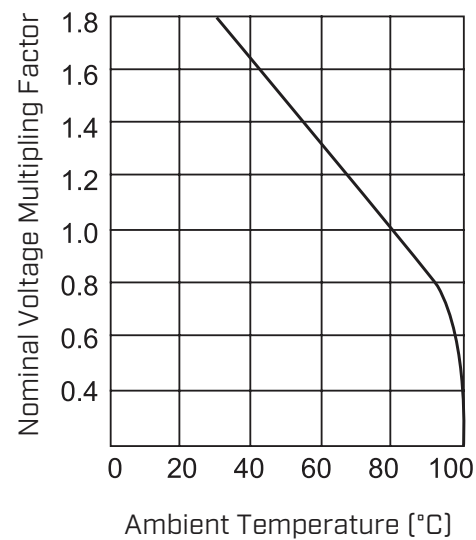
Time Curve



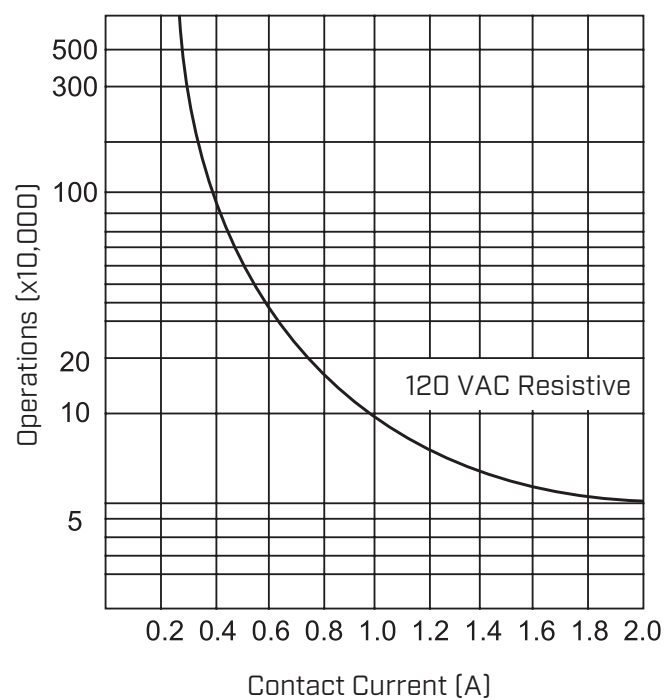
Coil Temperature Rise



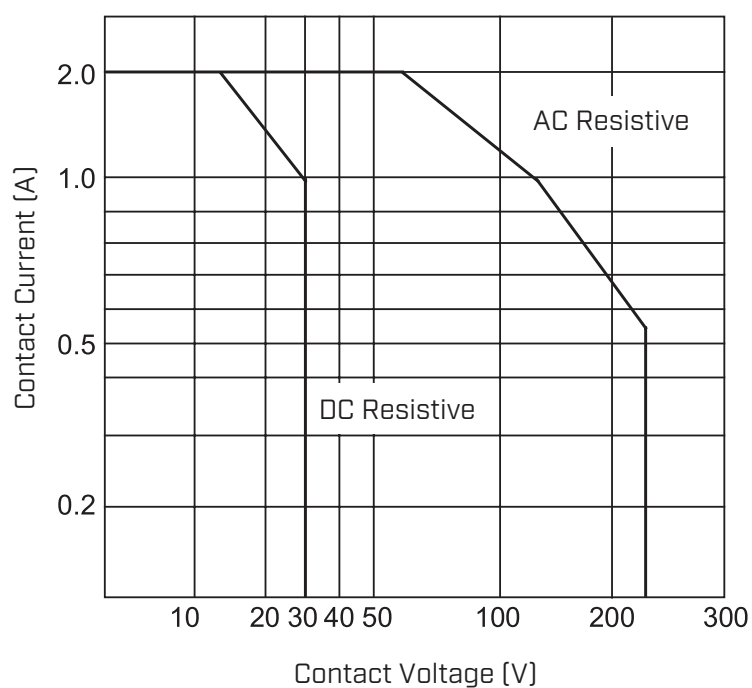
Operate Range



Life Curve



Maximum Switching Power



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/08/2022

The revision history provided is for informational purposes only and is believed to be accurate.

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# CUI DEVICES

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