

Feature explanation

- Maximum 16A contact switching capability.
- The dielectric withstand voltage between the coil and the contacts reaches 2.5KV.
- Options include plastic-sealed and anti-solder formulations.
- Dimensions: (19.6 × 15.4 × 15.5) mm



■ Performance Overview

Specifications	project	
Contact point parameters.	Contact configuration.	1A、1B、1C
	Contact resistance (initial value)	≤100mΩ(6VDC1A)
	Contact material.	AgNi、AgSnO ₂
Rated load.	Load control (resistance-based).	NO:10A 250VAC/30VDC(Standard product) 16A 250VAC/30VDC 15A 125VAC NC:7A 250VAC/30VDC 10A 250VAC/30VDC
	Maximum switching voltage.	250VAC
	Maximum switching current.	16A
	Maximum conversion power.	2500VA/300W
Electrical performance.	Insulation resistance (initial value)	100MΩ(500VDC),1minute
	Medium withstand voltage.	Disconnect the contacts.
	(Initial value)	Between the contact and the coil.
	Closing time.	≤10ms
Mechanical properties	Release time.	≤5ms
	to attack	stability
		strength
Durability.	vibration	10Hz～55Hz1.5mm Double amplitude.
	Mechanics	1×10 ⁶ 次
	Electrical (room temperature).	10A 250VAC 5×10 ⁴ 次(ON/OFF=1s/1s) 16A 250VAC 3×10 ⁴ 次(ON/OFF=2s/3s)
Conditions of Use	environmental temperature	-40℃～105℃
	humidity	5% to 90%
Termination method.		Printed board type.
weight		Approximately8.7g
Packaging method.		Plastic-coated type, anti-soldering formulation.

■ Coil specifications (23°C)

Rated voltage.	Closing voltage VDC	Release voltage VDC	Rated current (±10%)	Coil resistance (±10%)	Rated power.	Maximum permissible voltage.
DC 5V	≤3.75	≥0.3	72mA	69.4Ω	Approximately 0.36W.	DC 6.5V
DC 6V	≤4.50	≥0.36	60mA	100Ω		DC 7.8V
DC 9V	≤6.75	≥0.54	40mA	225Ω		DC 11.7V
DC 12V	≤9.00	≥0.72	30mA	400Ω		DC 15.6V
DC 15V	≤11.25	≥0.9	24mA	625Ω		DC 19.5V
DC 18V	≤13.50	≥1.08	20mA	900Ω		DC 23.4V
DC 24V	≤18.00	≥1.44	15mA	1600Ω		DC 31.2V
DC 36V	≤27.00	≥2.16	10mA	3600Ω		DC 46.8V
DC 48V	≤36.00	≥2.88	7.5mA	6400Ω		DC 62.4V
DC 5V	≤3.75	≥0.3	120mA	41.6Ω	Approximately 0.6W.	DC 6.5V
DC 12V	≤9.00	≥0.72	50mA	240Ω		DC 15.6V
DC 24V	≤18.00	≥1.44	25mA	960Ω		DC 31.2V
DC 5V	≤3.75	≥0.3	160mA	31.3Ω	Approximately 0.8W.	DC 6.5V
DC 12V	≤9.00	≥0.72	66.6mA	180Ω		DC 15.6V
DC 24V	≤18.00	≥1.44	33.3mA	720Ω		DC 31.2V

■ Order information.

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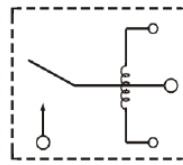
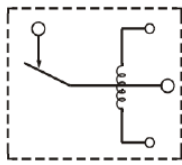
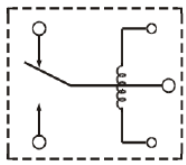
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- Product model.
- Sealing configuration: SS-Open type. SH -Sealed type.
- Number of contact groups.: Contact Pole 1—1 pole
- Coil specifications (V DC) : 05 09 12 18 24 36 48
- Rated power: D standard power.
- Contact configuration.: Z—1 Form Z type M—1 Form A type B-1Form B type
- Unique identifier: Customer Code

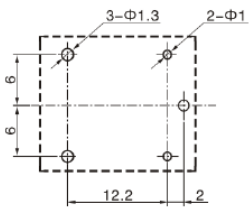
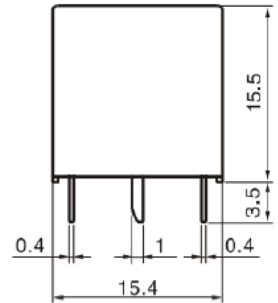
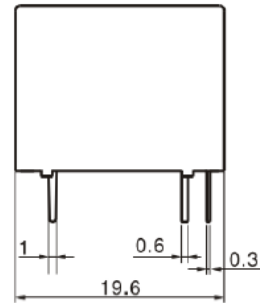
- (1)When used in a clean environment (free from pollutants such as H₂S, SO₂, NO₂, and dust), it is recommended to choose the anti-soldering formulation. For use in polluted environments (containing H₂S, SO₂,NO₂, and dust), it is suggested to opt for the plastic-sealed type. Please contact our company if you need to perform a comprehensive cleaning or surface treatment.
- (2)In situations where relays generate significant surge currents upon the activation of their contacts, it is recommended to use AgSnO₂ contact materials.

■ Dimensions, wiring, and installation specifications (unit: mm).

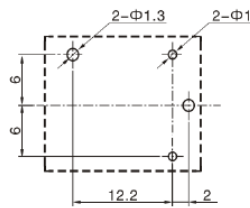
安装孔位图 (底视图) 接线图 (底视图)
PCB Layout (Bottom View) Wiring Diagram (Bottom View)



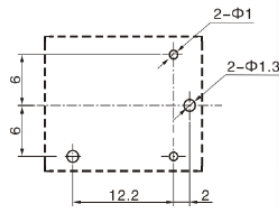
接线图(底视图)



1c

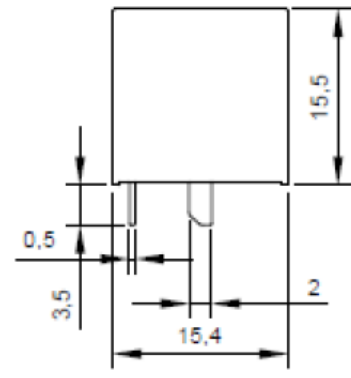
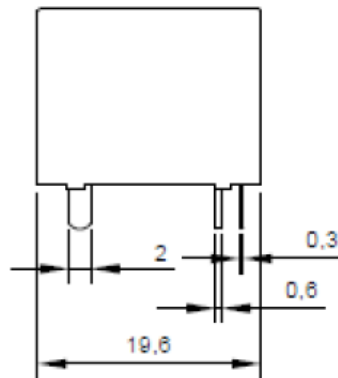
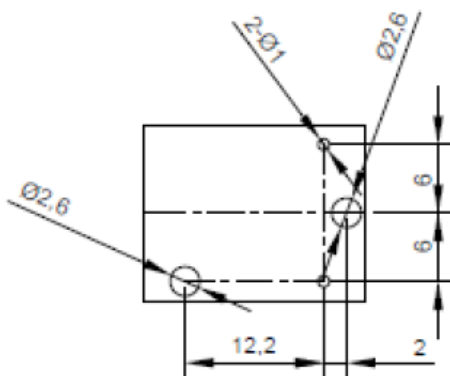


1b



1a

安装孔位图(底视图)



Note: (1) The tolerance of size is $\pm 0.2\text{mm}$ when the size is $\leq 1\text{mm}$; When the external dimension is $1\text{mm} \sim 5\text{mm}$, the tolerance is $\pm 0.3\text{mm}$; When the external dimension $\geq 5\text{mm}$, the tolerance is $\pm 0.5\text{mm}$.

(2) The installation dimensions do not specify any tolerance, which is $\pm 0.1\text{ mm}$.

■ Security authentication.

Type of certification.	Certification number.	Contact configuration.	Contact material.	Authentication load.		
UL	E497292	1A、1C(NO)	AgNi、AgSnO ₂	15A	125VAC	85℃
				10A	125VAC	85℃
		1B、1C(NC)	AgNi、AgSnO ₂	7A	125VAC	85℃
TUV	R50369779	1A(NO)	AgNi、AgSnO ₂	16A	250VAC/30VDC	85℃
				10A	250VAC/30VDC	85℃
		1B(NC)		10A	250VAC/30VDC	85℃
CQC	CQC18002191682	1A、1C(NO)	AgNi、AgSnO ₂	16A	250VAC/28VDC	85℃
				10A	250VAC/28VDC	85℃
				7A	250VAC/28VDC	85℃
		1B、1C(NC)		7A	250VAC/28VDC	85℃
				5A	250VAC/28VDC	85℃

■ Note

2. In environments where harmful gases such as H₂S, SO₂, or NO₂ are present, it is recommended to use fully sealed products.
3. When feasible, opt for products that are resistant to soldering paste.
4. If customers need to use ultrasonic equipment to clean PCBs and relays, they must opt for fully sealed products.
5. To maintain the initial performance parameters of the relays, please be careful not to drop the product.
6. This product specification sheet is provided solely for customer selection purposes. Any changes will not be notified in advance.