

Feature explanation

- Maximum 25A contact switching capability.
- The medium between the coil and the contact can withstand a voltage of 2.8KV.
- Options include plastic-sealed and anti-solder formulations.
- Dimensions:(20.4*16.6*20.5)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:17A 250VAC/30VDC(标准品) 20A 250VAC/30VDC 25A 250VAC/30VDC NC:15A 250VAC/30VDC 10A 250VAC/30VDC
	Maximum switching voltage.	250VAC
	Maximum switching current.	25A
	Maximum conversion power.	4700VA/510W
Electrical performance.	Insulation resistance (initial value)	100MΩ(500VDC),1min
	Medium withstand voltage. (Initial value)	Disconnect the contacts. 1000VAC,1 min Between the contact and the coil. 2500VAC,1 min
	Closing time.	≤10ms
	Release time.	≤5ms
Mechanical properties	to attack	stability 98m/s ² (10G) strength 980m/s ² (100G)
	vibration	10Hz~55Hz1.5mm Double amplitude.
Durability.	Mechanics	1×10 ⁶ 次
	Electrical (room temperature).	17A 250VAC 5×10 ⁴ 次(ON/OFF=1s/1s) 25A 250VAC 3×10 ⁴ 次(ON/OFF=1s/1s)
Conditions of Use	environmental temperature	-40℃~85℃
	humidity	5% to 90%
Termination method.		Printed board type.
weight		Approximately15g
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	约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

■ Order information.

Y152F - X X X -X -XX

① Product model

② Number of contact groups.: Contact Pole 1—1 pole

③ Coil specifications (VDC) : 05 09 12 18 24 36 48

④ Rated power: D= Standard Model

⑤ Contact configuration:M-Form A Z-Form C B-lForm B

⑥ Special code: represented by numbers or letters.

(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.

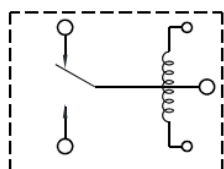
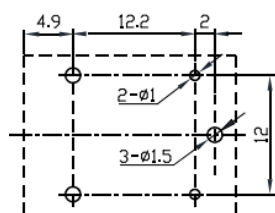
■ Dimensions, wiring, and installation specifications (unit: mm).

安装孔位图 (底视图)

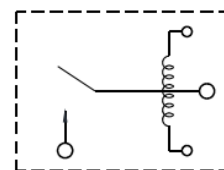
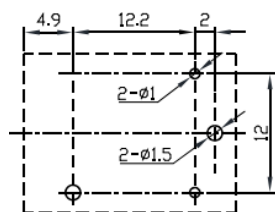
PCB Layout (Bottom View)

接线图 (底视图)

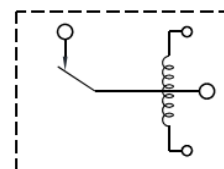
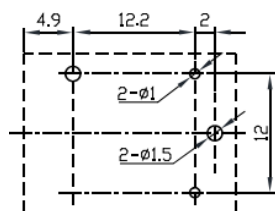
Wiring Diagram (Bottom View)



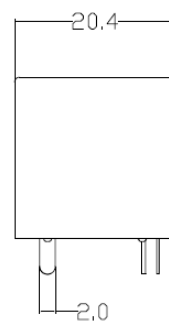
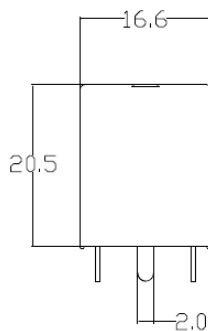
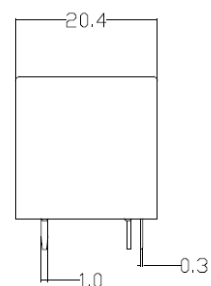
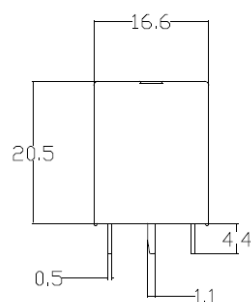
转换型
1 Form C



常开型
1 Form A



常闭型
1 Form B



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		1A、1C(NO)	AgNi、AgSnO ₂	20A	125VAC	85℃
				17A	125VAC	85℃
		1B、1C(NC)	AgNi、AgSnO ₂	15A	125VAC	85℃
TUV	R50602639	1A(NO)	AgNi、AgSnO ₂	25A	250VAC/30VDC	85℃
				20A	250VAC/30VDC	85℃
		1B(NC)		17A	250VAC/30VDC	85℃
				15A	250VAC/30VDC	85℃
				10A	250VAC/30VDC	85℃
CQC	CQC23002387163	1A、1C(NO)	AgNi、AgSnO ₂	25A	250VAC/30VDC	85℃
				20A	250VAC/30VDC	85℃
		1B、1C(NC)		17A	250VAC/30VDC	85℃
				15A	250VAC/30VDC	85℃
				10A	250VAC/30VDC	85℃

■ Note

- 1、Please contact if you have any special requirements.
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.