

■ COIL DATA(23°C)

Nominal Voltage	Operate Voltage VDC	Release Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 5V	≤3.80	≥0.50	140.0mA	35.7Ω	700mW	DC 7.5V
DC 6V	≤4.50	≥0.60	116.7mA	51Ω		DC 9.0V
DC 9V	≤6.80	≥0.90	77.8mA	116Ω		DC 13.5V
DC 12V	≤9.00	≥1.20	58.3mA	206Ω		DC 18.0V
DC 15V	≤11.30	≥1.50	46.7mA	321Ω		DC 22.5V
DC 18V	≤13.50	≥1.80	38.9mA	463Ω		DC 27.0V
DC 21V	≤15.80	≥2.10	33.3mA	630Ω		DC 31.5V
DC 24V	≤18.00	≥2.40	29.2mA	823Ω		DC 36.0V
DC 36V	≤27.00	≥3.60	19.4mA	1851Ω		DC 54.0V
DC 40V	≤30.00	≥4.00	17.5mA	2286Ω		DC 60.0V
DC 48V	≤36.00	≥4.80	14.6mA	3291Ω		DC 72.0V
DC 60V	≤45.00	≥6.00	11.7mA	5142Ω		DC 90.0V
DC 80V	≤64.00	≥8.00	8.75mA	9143Ω		DC 120V
DC 110V	≤82.50	≥11.0	6.4mA	17285Ω		DC 165V

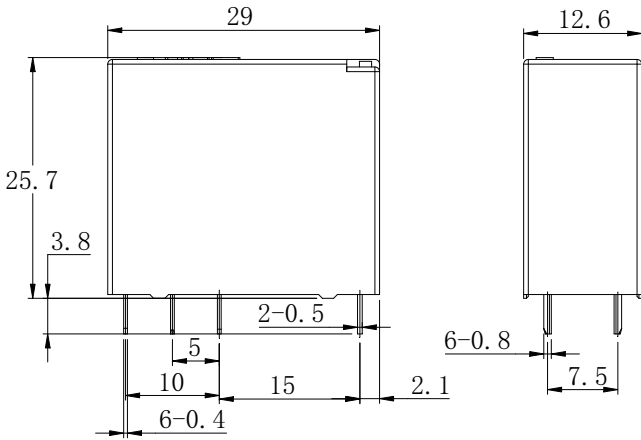
■ ORDERING INFORMATION

FH55T -2C S T F -XXX DC12V

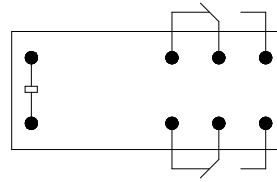
- ① Type: FH55T=2 sets of relay
- ② Contact arrangement: 2C=2 switched contacts
AB1=1 open contacts+1 close contacts(Type 1)
AB2=1 open contacts+1 close contacts(Type 2)
- ③ Construction: Nil=Flux proofed, S=Plastic sealed
- ④ Contact material: T=AgSnO₂
- ⑤ Insulation system: Nil=Class A, F=Class F
- ⑥ Customer special code: numbers or letters denote customer's requirements. For example: G=Gold plating
- ⑦ Coil specification: DC5/6/9/12/15/18/21/24/36/40/48/60/80/110V

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT (Unit:mm)

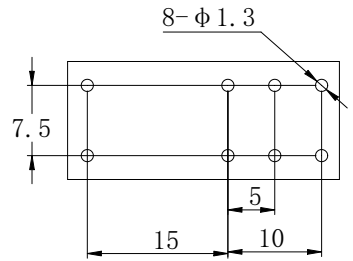
2C Outline Dimensions



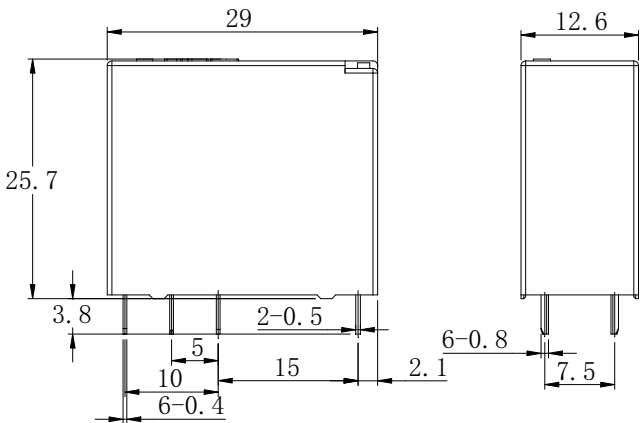
Wiring Diagram
(Bottom view)



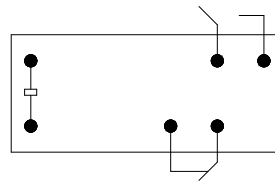
PCB Layout
(Bottom view)



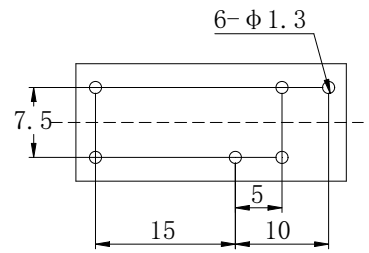
AB1 Outline Dimensions



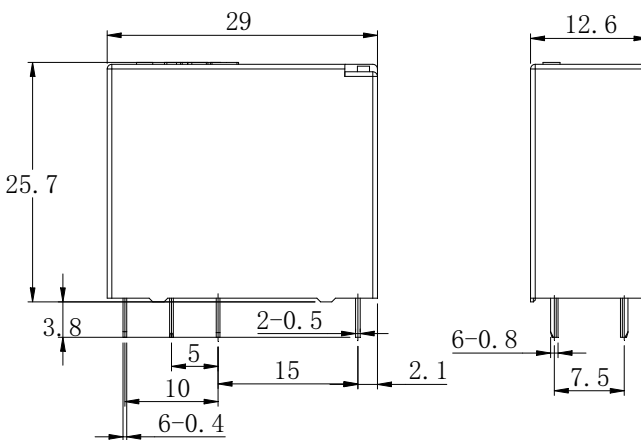
Wiring Diagram
(Bottom view)



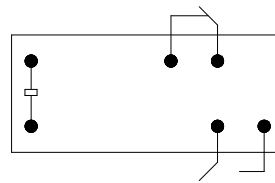
PCB Layout
(Bottom view)



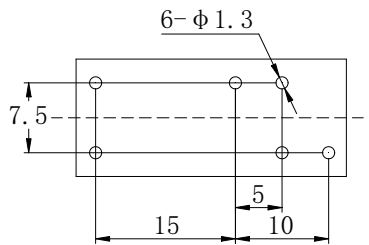
AB2 Outline Dimensions



Wiring Diagram
(Bottom view)



PCB Layout
(Bottom view)



Remark:(1)In case of no tolerance shown in outline dimension:outline dimension \leq 1mm,tolerance should be \pm 0.2mm;outline dimension $>$ 1mm and $<$ 5mm,tolerance should be \pm 0.3mm;outline dimension \geq 5mm,tolerance should be \pm 0.5mm.

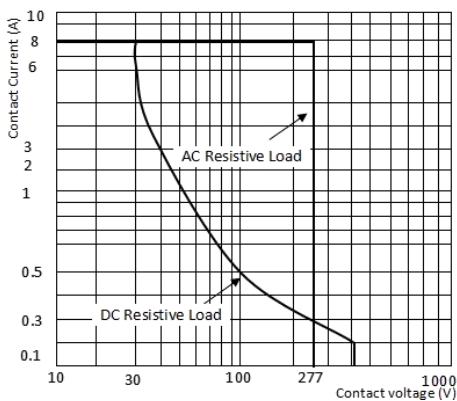
(2) The tolerance without indicating for PCB layout is always \pm 0.1mm.

SAFETY APPROVAL RATINGS

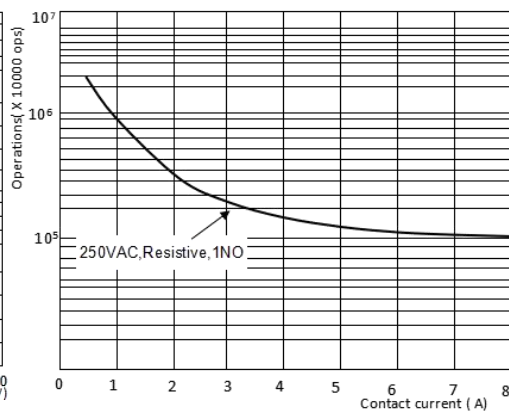
Approval	File No.	Contact arrangement	Approved ratings	
UL/C-UL	E475405	AgSnO ₂	NO:8A/6A 277VAC/250VAC/240VAC/125VAC	85°C
			NO:8A/6A 30VDC	85°C
			NC:6A 277VAC/250VAC/240VAC/125VAC	85°C
			NC:6A 30VDC	85°C
			NO:Pilot duty A300	70°C
			NO:Pilot duty B300	70°C
			NC:Pilot duty B300	70°C
TUV	R 50598477	AgSnO ₂	NO:8A/6A 277VAC/250VAC/240VAC/125VAC	85°C
			NO:8A/6A 30VDC	85°C
			NO:4A 60VDC	85°C
			NC:6A 277VAC/250VAC/240VAC/125VAC	85°C
			NC:6A 30VDC	85°C
			NO/NC:1A 24VDC	85°C
			NO:3A 240VAC(AC-15)	55°C
			NC:1.5A 240VAC(AC-15)	55°C
			NO:3A 24VDC(DC-13)	55°C
			NC:1A 24VDC(DC-13)	55°C
CQC	CQC23002395622	AgSnO ₂	NO:8A/6A 277VAC/250VAC/240VAC/125VAC	85°C
			NO:8A/6A 30VDC	85°C
			NC:6A 277VAC/250VAC/240VAC/125VAC	85°C
			NC:6A 30VDC	85°C

PERFORMANCE CURVES

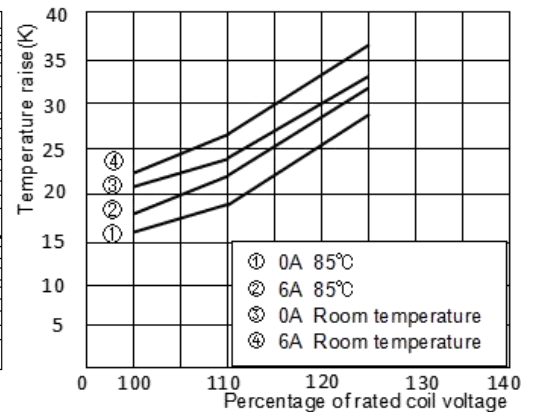
MAXIMUM SWITCHING POWER



ENDURANCE CURVE



Coil temperature rise



Test conditions:

1 NO, Resistance load, 250VAC

Room temperature, ON/OFF=1s/9s

■ NOTICE

- ① In order to maintain the initial performance parameters of the relay, please be careful not to drop the product;
- ② The specification is for reference only.Specifications subject to change without notice.