



805



»» Features

- Optional for open frame, dust cover, sealed type and with/without quick terminal on top.
- High rating 20A 240VAC.
- Ideal for home appliances application, specially for heating control use.
- Comply with RoHS-Directive 2011/65/EU.

»» Type List

Terminal style	Contact form	Insulation system	Designation	
			Flux tight	Sealed type washable
PCB terminal	1A (SPNO)	----	805-1AC-C	805-1AC-S
			805-1AH-C	805-1AH-S
	1C (SPDT)	----	805-1CC-C	805-1CC-S
			805-1CH-C	805-1CH-S
	1A (SPNO)	F	805-1AC-F-C	805-1AC-F-S
			805-1AH-F-C	805-1AH-F-S
1C (SPDT)	F	805-1CC-F-C	805-1CC-F-S	
		805-1CH-F-C	805-1CH-F-S	
WP (PCB terminal & Quick terminal)	1A (SPNO)	----	805WP-1AC-C	805WP-1AC-S
			805WP-1AH-C	805WP-1AH-S
	1C (SPDT)	----	805WP-1CC-C	805WP-1CC-S
			805WP-1CH-C	805WP-1CH-S
	1A (SPNO)	F	805WP-1AC-F-C	805WP-1AC-F-S
			805WP-1AH-F-C	805WP-1AH-F-S
	1C (SPDT)	F	805WP-1CC-F-C	805WP-1CC-F-S
			805WP-1CH-F-C	805WP-1CH-F-S

Terminal style	Contact form	Insulation system	Designation	
			Flux tight (with shroud)	Sealed type washable (with shroud)
WP (PCB terminal & Quick terminal)	1A (SPNO)	----	805WP-1AC-CF	805WP-1AC-SF
			805WP-1AH-CF	805WP-1AH-SF
	1C (SPDT)	----	805WP-1CC-CF	805WP-1CC-SF
			805WP-1CH-CF	805WP-1CH-SF
	1A (SPNO)	F	805WP-1AC-F-CF	805WP-1AC-F-SF
			805WP-1AH-F-CF	805WP-1AH-F-SF
	1C (SPDT)	F	805WP-1CC-F-CF	805WP-1CC-F-SF
			805WP-1CH-F-CF	805WP-1CH-F-SF

»» Ordering Information

805 WP - 1A C - F - SF - B XXVDC
 1 2 3 4 5 6 7 8

- | | | | |
|----------|---------------------------------------|-------|------------------------------|
| 1. 805 | -- Basic series designation | 3. 1A | -- Single pole normally open |
| | | 1C | -- Single pole double throw |
| 2. Blank | -- PCB terminal | | |
| W | -- Quick terminal (only for C1 cover) | 4. C | -- Contact material AgNi |
| WP | -- PCB terminal & Quick terminal | H | -- Contact material AgSnO |

5. Blank -- Standard type
F -- Class F
6. Blank -- Open type
C -- Flux tight
S -- Sealed washable
CF -- Flux tight with shroud
SF -- Sealed washable with shroud
- C1 -- With flanged cover
S1 -- Sealed type washable with flanged cover
7. Blank -- Standard type
B -- With insulation barrier
8. XXVDC -- Coil voltage (please refer to the coil rating data for the availability)

»» Contact Rating

Resistive load	20A 240VAC
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»» Coil Rating (DC)

Rated voltage (V)	Rated current ±10 % at 23°C (mA)	Coil resistance ±10 % at 23°C (Ω)	Max. continuous voltage at 85°C	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
5	139	36	130 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.7W
6	118	51				
9	78	116				
12	58	206				
18	39	463				
24	29	823				
36	19	1,851				
48	15	3,291				
110	6	17,286				

»» Specification

Contact material	AgNi / AgSnO alloy	
Contact resistance ⁽¹⁾	50 mΩ Max.	
Operate time ⁽¹⁾	15 ms Max.	
Release time ⁽¹⁾	10 ms Max.	
Insulation resistance ⁽¹⁾	100 MΩ Min. (DC 500V)	
Surge voltage withstand	Between contact and coil : 6KV 1.2X50 μS	
Dielectric strength ⁽¹⁾	Between open contact : 1000Vrms 50/60Hz 1min.	
	Between contact and coil : 2500Vrms 50/60Hz 1min	
Vibration resistance	Operating extremes	10~55Hz , amplitude 1.5 mm
	Damage limits	10~55Hz , amplitude 1.5 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (for NO contact) (frequency 900 operations/hr)
Operating ambient temperature	-40 ~ +85°C (no freezing)	
Weight	Approx. 22 g (open type), 27g (with cover), 36g (WP) , 38g (W)	

Note: (1) initial value

»» Safety Approval

Certified	UL / CUL
File No.	E88991



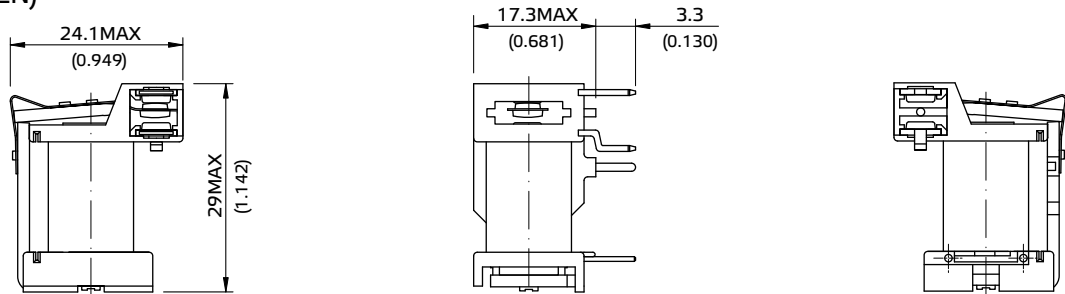
805

»» Safety Approval Rating

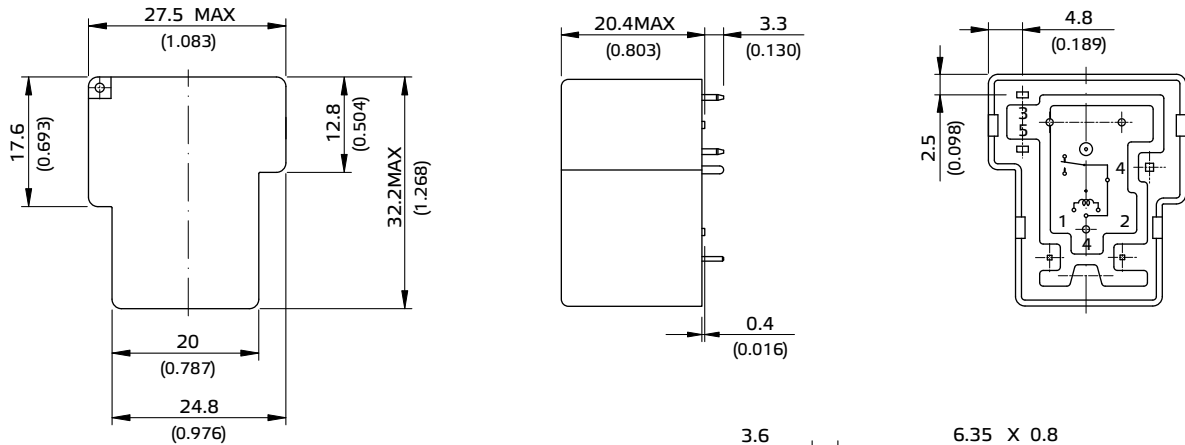
UL / CUL
30A 277VAC

»» Outline Dimensions

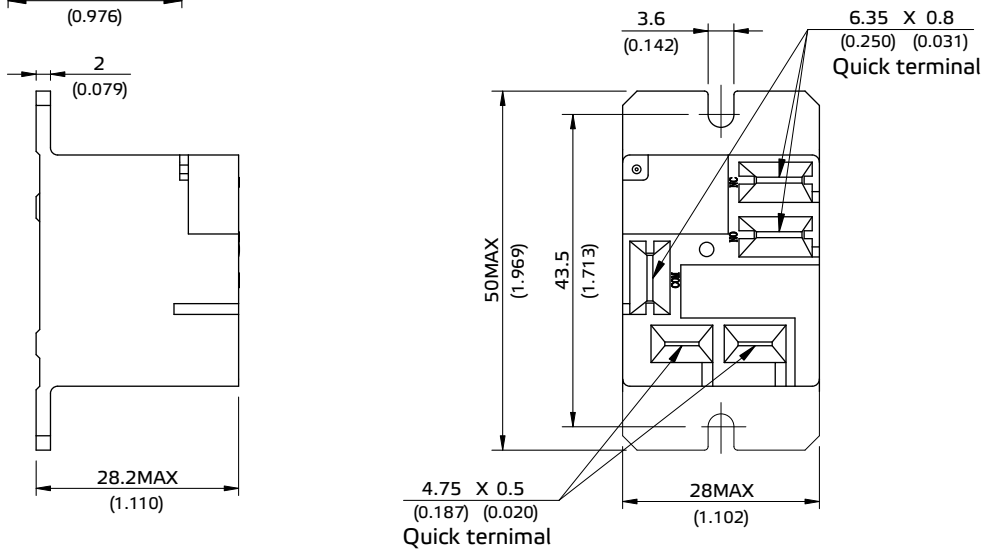
◆ 805 (OPEN)



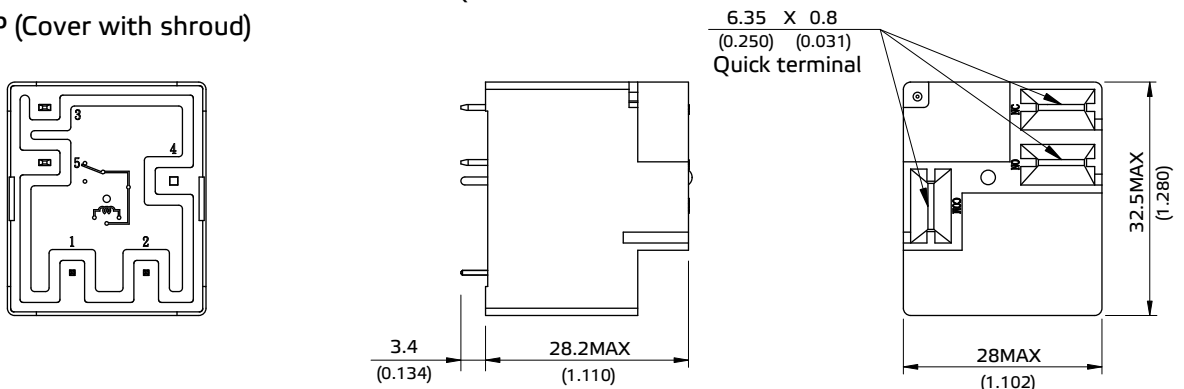
◆ 805 (-C,-V,-S)



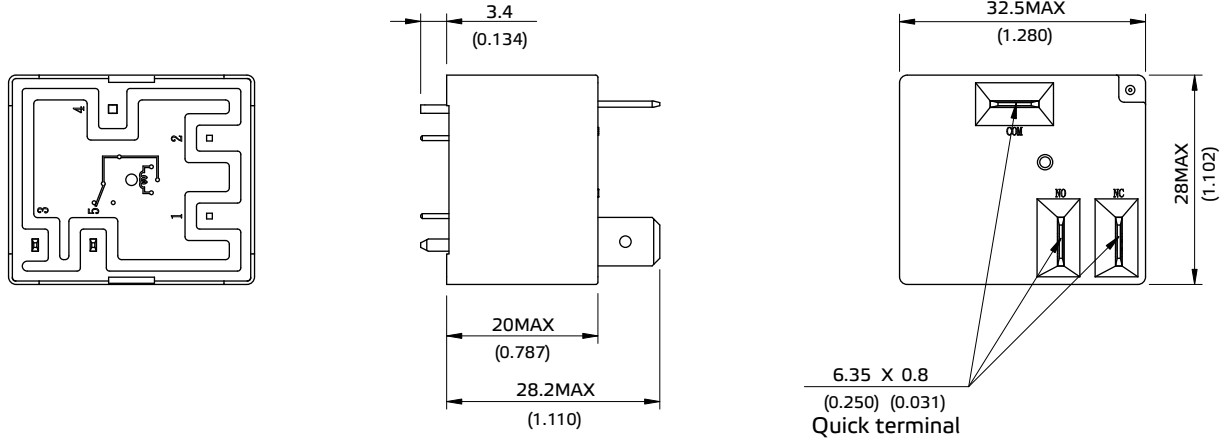
◆ 805W



◆ 805WP (Cover with shroud)



◆ 805WP

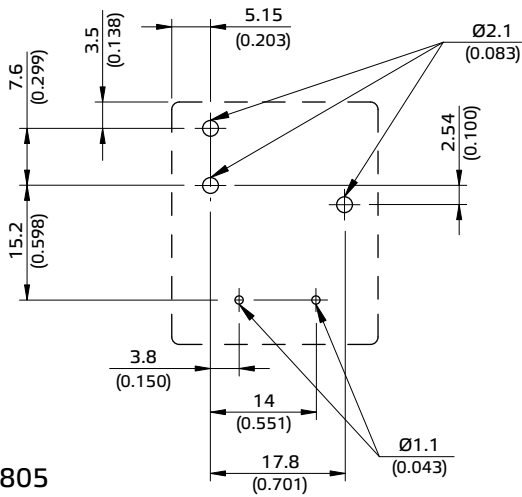


»» Wiring Diagram
BOTTOM VIEW

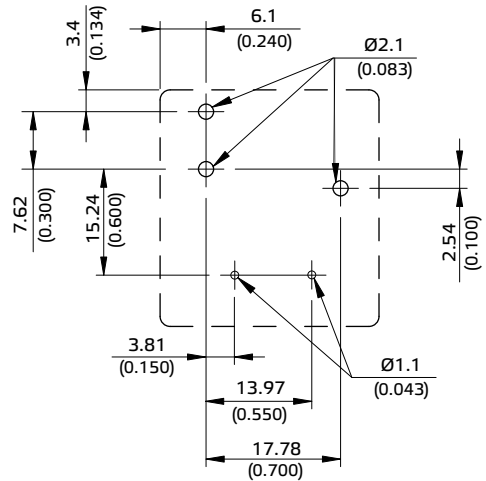


»» PC Board Layout
BOTTOM VIEW

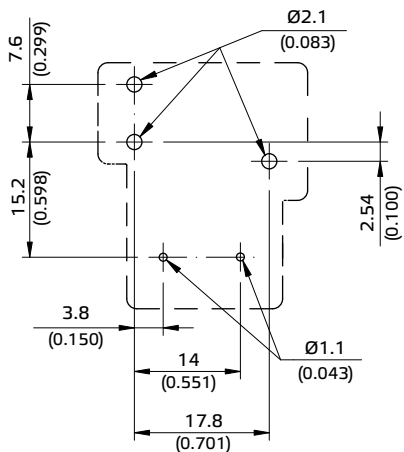
◆ 805WP



◆ 805WP (Cover with shroud)



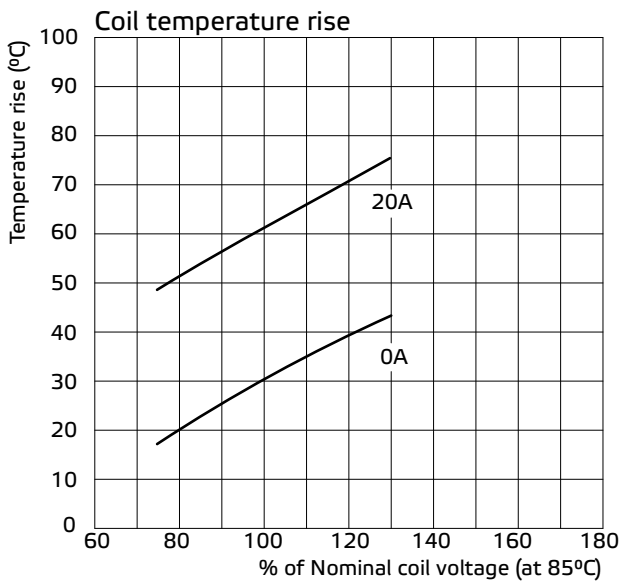
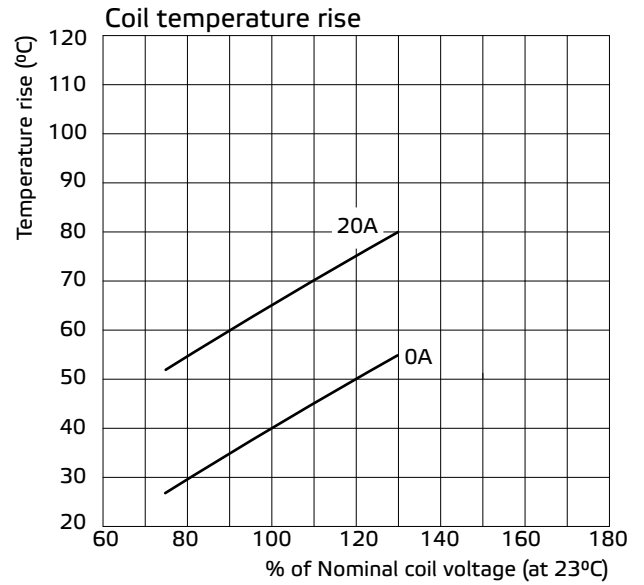
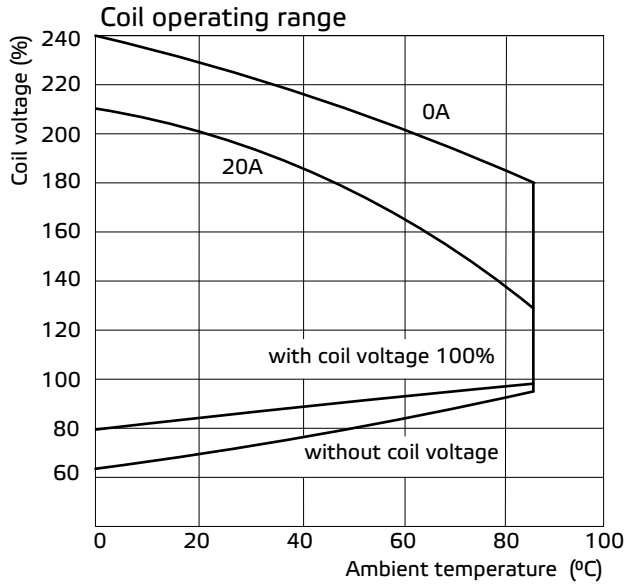
◆ 805





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»» Engineering Data



Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of Song Chuan are reserved.