



»» 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 2002/95/EC.

»» Type List

| Terminal style | Contact form | Insulation system | Designation | | |
|------------------------------------|--------------|-------------------|---------------|---------------|----------------------|
| | | | Flux tight | Sealed type | Sealed type washable |
| PCB terminal | 1A (SPNO) | ---- | 805-1AC-C | 805-1AC-V | 805-1AC-S |
| | | | 805-1AH-C | 805-1AH-V | 805-1AH-S |
| | 1C (SPDT) | ----- | 805-1CC-C | 805-1CC-V | 805-1CC-S |
| | | | 805-1CH-C | 805-1CH-V | 805-1CH-S |
| | 1A (SPNO) | F | 805-1AC-F-C | 805-1AC-F-V | 805-1AC-F-S |
| | | | 805-1AH-F-C | 805-1AH-F-V | 805-1AH-F-S |
| 1C (SPDT) | F | 805-1CC-F-C | 805-1CC-F-V | 805-1CC-F-S | |
| | | 805-1CH-F-C | 805-1CH-F-V | 805-1CH-F-S | |
| WP (PCB terminal & Quick terminal) | 1A (SPNO) | ---- | 805WP-1AC-C | 805WP-1AC-V | 805WP-1AC-S |
| | | | 805WP-1AH-C | 805WP-1AH-V | 805WP-1AH-S |
| | 1C (SPDT) | ---- | 805WP-1CC-C | 805WP-1CC-V | 805WP-1CC-S |
| | | | 805WP-1CH-C | 805WP-1CH-V | 805WP-1CH-S |
| | 1A (SPNO) | F | 805WP-1AC-F-C | 805WP-1AC-F-V | 805WP-1AC-F-S |
| | | | 805WP-1AH-F-C | 805WP-1AH-F-V | 805WP-1AH-F-S |
| | 1C (SPDT) | F | 805WP-1CC-F-C | 805WP-1CC-F-V | 805WP-1CC-F-S |
| | | | 805WP-1CH-F-C | 805WP-1CH-F-V | 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 □ - 1A C - □ - □ - □
 1 2 3 4 5 6 7

- | | |
|---|------------------------------------|
| 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 |

805

5. Blank -- Standard type
F -- Class F

6. Blank -- Open type
C -- Flux tight
V -- Sealed type
S -- Sealed type washable

CF -- Flux tight with shroud
SF -- Sealed type washable with shroud
C1 -- With flanged cover
S1 -- Sealed type washable with flanged cover

7. Blank -- Standard type
B -- With insulation barrier

»» Contact Rating

| | |
|----------------|------------|
| Resistive load | 20A 240VAC |
|----------------|------------|

»» Coil Rating (DC)

| Rated voltage (V) | Rated current $\pm 10\%$ at 23°C (mA) | Coil resistance $\pm 10\%$ 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⁾ | 50m Ω Max. (1A/6VDC by 4 pipes m Ω meter) | |
| Operate time ⁽¹⁾ | 15 ms Max. | |
| Release time ⁽¹⁾ | 10 ms Max. | |
| Insulation resistance ⁽¹⁾ | 100 M Ω Min. (DC 500V) | |
| Surge voltage withstand | Between contact and coil : 6KV 1.2X50 μ S | |
| 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 |

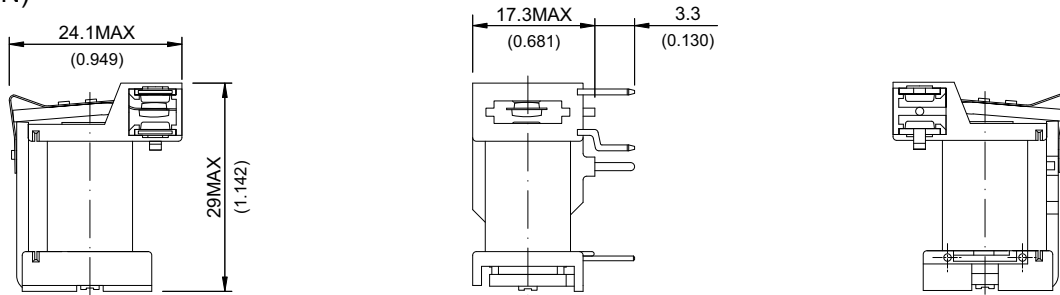
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»» Safety Approval Rating

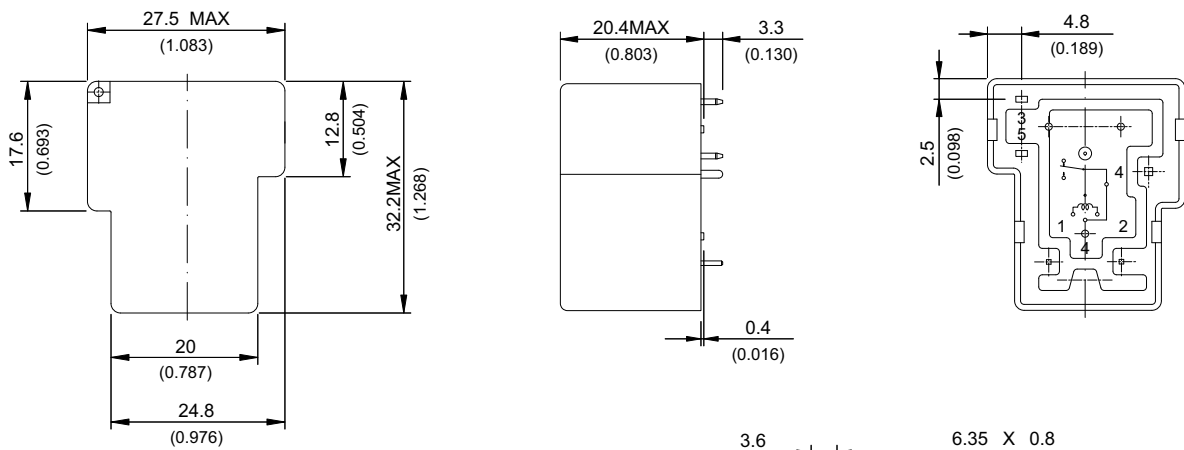
| |
|------------|
| UL / CUL |
| 30A 277VAC |

»» Outline Dimensions

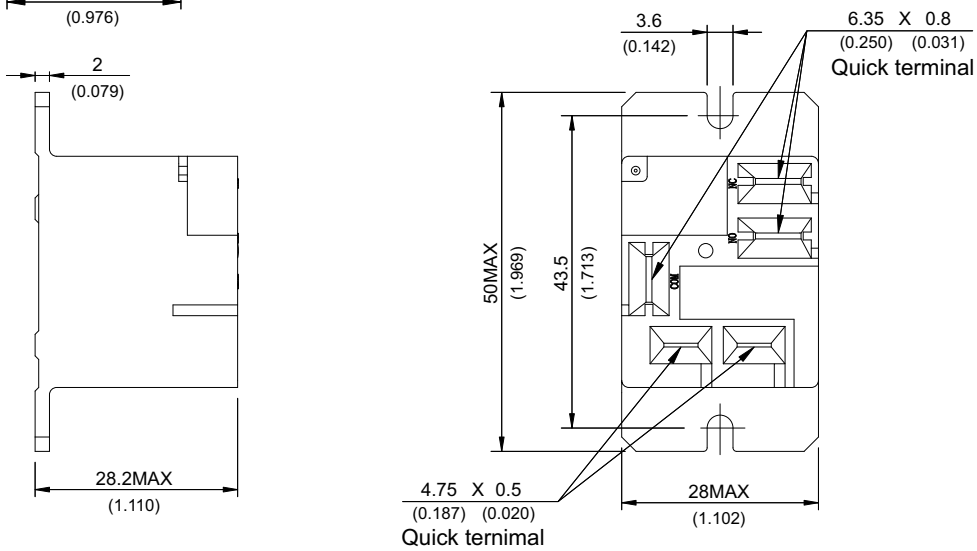
◆ 805 (OPEN)



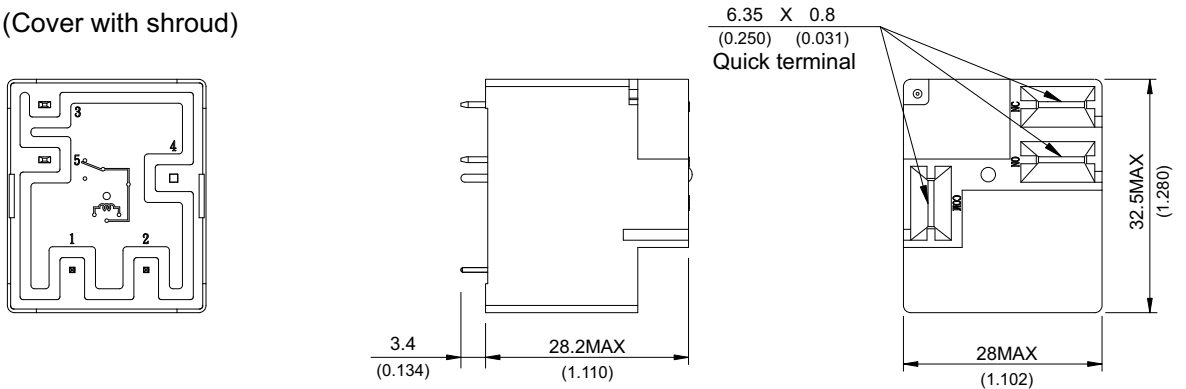
◆ 805 (-C,-V,-S)



◆ 805W

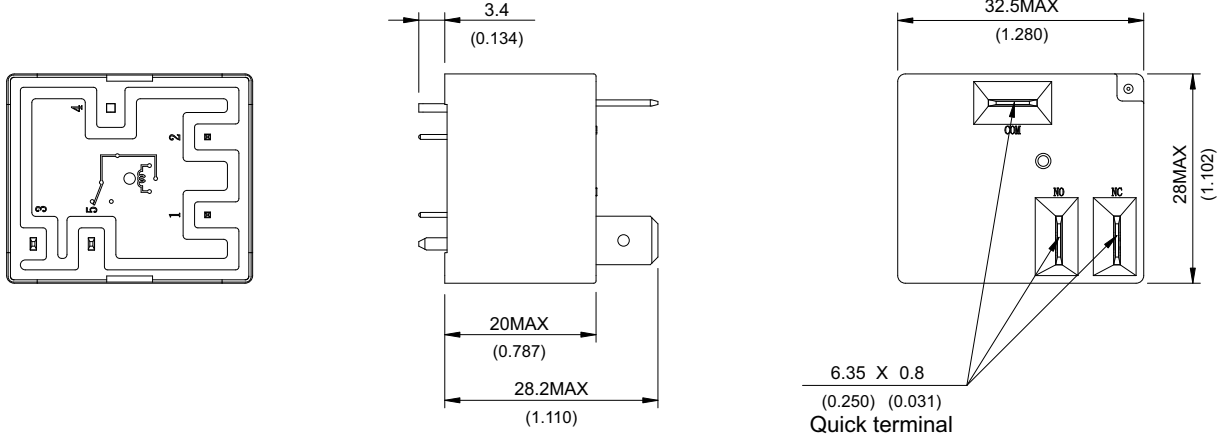


◆ 805WP (Cover with shroud)



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◆805WP

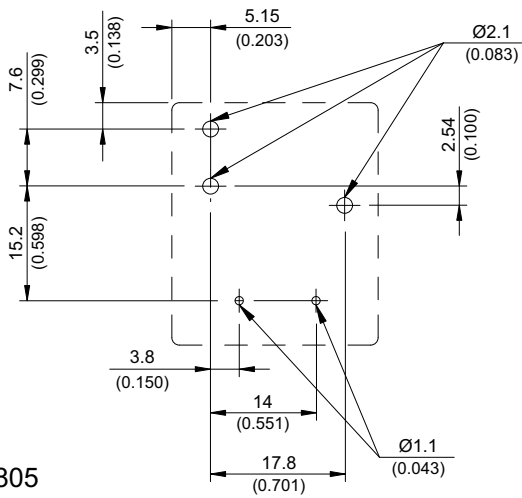


»» Wiring Diagram BOTTOM VIEW

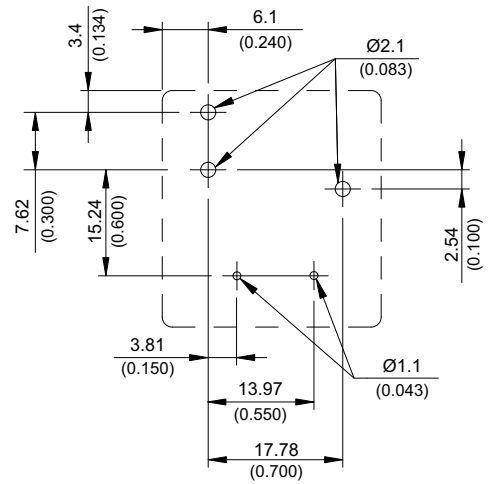


»» PC Board Layout BOTTOM VIEW

◆805WP



◆805WP (Cover with shroud)



◆805

