



»» Features

- 10mm slim miniature PCB Power Relay.
- UL/CUL · CSA/CUS · TUV · VDE approved.
- High CTI 250 material (VDE and E version).
- High sensitivity : 200 mW & 400mW.
- High surge voltage : 3,000 V between contacts and coil.
- Comply with RoHS-Directive 2002/95/EC.

»» Type List

◆ Standard Type

| Terminal style | Contact form | UL Insulation system approval | Designation (provided with) | | |
|----------------|--------------|-------------------------------|-----------------------------|-------------|----------------------|
| | | | Flux tight | Sealed type | Sealed type washable |
| PCB terminal | 1A (SPNO) | ----- | 892-1AC-C | 892-1AC-V | 892-1AC-S |
| | | F | 892-1AC-F-C | 892-1AC-F-V | 892-1AC-F-S |
| | | ----- | 892-1AH-C | 892-1AH-V | 892-1AH-S |
| | | F | 892-1AH-F-C | 892-1AH-F-V | 892-1AH-F-S |
| | 1C (SPDT) | ----- | 892-1CC-C | 892-1CC-V | 892-1CC-S |
| | | F | 892-1CC-F-C | 892-1CC-F-V | 892-1CC-F-S |
| | | ----- | 892-1CH-C | 892-1CH-V | 892-1CH-S |
| | | F | 892-1CH-F-C | 892-1CH-F-V | 892-1CH-F-S |

◆ High Power Type

| | | | | | |
|--------------|--------------|-------|--------------|--------------|--------------|
| PCB terminal | 1A (SPNO) | ----- | 892H-1AC-C | 892H-1AC-V | 892H-1AC-S |
| | | F | 892H-1AC-F-C | 892H-1AC-F-V | 892H-1AC-F-S |
| | | ----- | 892H-1AH-C | 892H-1AH-V | 892H-1AH-S |
| | | F | 892H-1AH-F-C | 892H-1AH-F-V | 892H-1AH-F-S |
| | 1C (SPDT) | ----- | 892H-1CC-C | 892H-1CC-V | 892H-1CC-S |
| | | F | 892H-1CC-F-C | 892H-1CC-F-V | 892H-1CC-F-S |
| | | ----- | 892H-1CH-C | 892H-1CH-V | 892H-1CH-S |
| | | F | 892H-1CH-F-C | 892H-1CH-F-V | 892H-1CH-F-S |

◆ High Sensitivity Type

| | | | | | |
|--------------|--------------|-------|--------------|--------------|--------------|
| PCB terminal | 1A (SPNO) | ----- | 892N-1AC-C | 892N-1AC-V | 892N-1AC-S |
| | | F | 892N-1AC-F-C | 892N-1AC-F-V | 892N-1AC-F-S |
| | | ----- | 892N-1AH-C | 892N-1AH-V | 892N-1AH-S |
| | | F | 892N-1AH-F-C | 892N-1AH-F-V | 892N-1AH-F-S |
| | 1C (SPDT) | ----- | 892N-1CC-C | 892N-1CC-V | 892N-1CC-S |
| | | F | 892N-1CC-F-C | 892N-1CC-F-V | 892N-1CC-F-S |
| | | ----- | 892N-1CH-C | 892N-1CH-V | 892N-1CH-S |
| | | F | 892N-1CH-F-C | 892N-1CH-F-V | 892N-1CH-F-S |



»» Ordering Information

892 H N - 1AC - F - C E
 1 2 3 4 5 6 7

- | | | | |
|----------|--|----------|---|
| 1. 892 | -- Basic series designation | 1BH | -- Single pole normally closed · Contact material AgSnO |
| 2. Blank | -- Standard type | 1CH | -- Single pole double throw · Contact material AgSnO |
| H | -- High power type | | |
| 3. Blank | -- Standard type | 5. Blank | -- Standard type |
| N | -- High sensitivity type | F | -- Class F |
| 4. 1AC | -- Single pole normally open · Contact material AgNi | 6. C | -- Flux tight |
| 1BC | -- Single pole normally closed · Contact material AgNi | V | -- Sealed type |
| 1CC | -- Single pole double throw · Contact material AgNi | S | -- Sealed type washable |
| 1AH | -- Single pole normally open · Contact material AgSnO | 7. Blank | -- Standard type |
| | | E | -- CTI 250V |

»» Contact Rating

| Type | 892 | 892H |
|-------------------------|--|---|
| Resistive load | NO / NC : 5A/3A 240VAC NO / NC : 7A/3A 120VAC | NO / NC : 10A/5A 120VAC (50,000 ops.) NO / NC : 7A/5A 240VAC |
| Max. switching current | NO / NC : 7A/3A | NO / NC : 10A/5A |
| Max. switching voltage | 277VAC | 277VAC |
| Max. switching capacity | NO / NC : 1200VA/720VA | NO / NC : 1680VA/1200VA |

»» Coil Rating (DC)

◆ Standard Type

| 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 |
|-------------------|----------------------------------|-----------------------------------|---------------------------------|-------------------------------------|-------------------------------|------------------------------------|
| 3 | 133.3 | 22.5 | 160 % of rated voltage | 80 % of rated voltage (H type only) | 5 % of rated voltage | approx. 0.4W |
| 5 | 80 | 62.5 | | | | |
| 6 | 66.7 | 90 | | | | |
| 9 | 44.4 | 202.5 | | | | |
| 12 | 33.3 | 360 | | | | |
| 18 | 22.2 | 810 | | | | |
| 24 | 16.7 | 1440 | | | | |
| 36 | 11.1 | 3240 | | | | |
| 48 | 8.3 | 5760 | | | | |
| 60 | 6.7 | 9000 | | | | |

◆High Sensitivity Type

| 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 |
|-------------------|----------------------------------|-----------------------------------|---------------------------------|---|-------------------------------|------------------------------------|
| 3 | 66.7 | 45 | 170 % of rated voltage | 80 % of rated voltage (HN type or 1C type only) | 5 % of rated voltage | approx. 0.2W |
| 5 | 40.0 | 125 | | | | |
| 6 | 33.3 | 180 | | | | |
| 9 | 22.2 | 405 | | | | |
| 12 | 16.7 | 720 | | | | |
| 18 | 11.1 | 1620 | | | | |
| 24 | 8.3 | 2880 | | | | |
| 36 | 5.6 | 6480 | | | | |

»» Specification

| | | |
|--------------------------------------|-----------------------------|---|
| Contact material | AgNi / Ag SnO alloy | |
| Contact resistance ⁽¹⁾ | 100mΩ Max. | |
| Operate time ⁽¹⁾ | 10ms Max. | |
| Release time ⁽¹⁾ | 5ms Max. | |
| Insulation resistance ⁽¹⁾ | 1000MΩ Min. (DC 500V) | |
| Dielectric strength ⁽¹⁾ | Between open contact | : AC 1000V , 50/60Hz 1 min. |
| | Between contact and coil | : AC 4000V , 50/60Hz 1 min. |
| Vibration resistance | Operating extremes | 10~55Hz , amplitude 1.5 mm |
| | Damage limit | 10~55Hz , amplitude 1.5 mm |
| Shock resistance | Operating extremes | 30G |
| | Damage limits | 100G |
| Life expectancy | Mechanical | 10,000,000 operations (frequency 18,000 operations/hr) |
| | Electrical | 100,000 operations (frequency 900 operations/hr) |
| Operating ambient temperature | -40°C ~ +85°C (no freezing) | |
| Weight | Approx. 8g | |

Note : (1) initial value

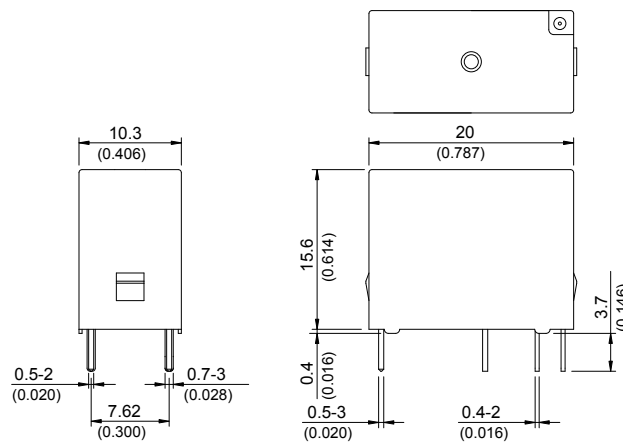
»» Safety Approval

| Certified | CSA / CUS | TUV | VDE | UL / CUL |
|-----------|-----------|------------|----------|----------|
| File No. | 1245129 | R 50006512 | 40006318 | E88991 |

»» Safety Approval Rating

| CSA / CUS | | TUV | |
|--|---|---|--|
| 892 | 892H | 892 | 892H |
| NO : 7A 125VAC 5A 277VAC NC : 3A 125VAC 3A 277VAC | NO : 10A 125VAC 7A 277VAC TV-3 NC : 5A 125VAC 5A 277VAC | NO : 7A 120VAC 5A 240VAC NC : 3A 120VAC 3A 240VAC | NO : 10A 120VAC 7A 240VAC NC : 5A 120VAC 5A 240VAC |
| VDE | | UL / CUL | |
| 892 | 892H | 892 | 892H |
| NO : 5A 250VAC T85 NC : 3A 250VAC T85 | NO : 7A 250VAC T85 NC : 5A 250VAC T85 | NO : 7A 125VAC 5A 277VAC 1/10HP 125VAC 1/6HP 277VAC NC : 3A 125VAC 3A 277VAC | NO : 10A 125VAC 7A 277VAC NC : 5A 125VAC 5A 277VAC NO/NC : 4FLA/4LRA 120VAC |

»» Outline Dimensions

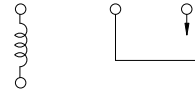


»» Wiring Diagram

BOTTOM VIEW

1C

1A

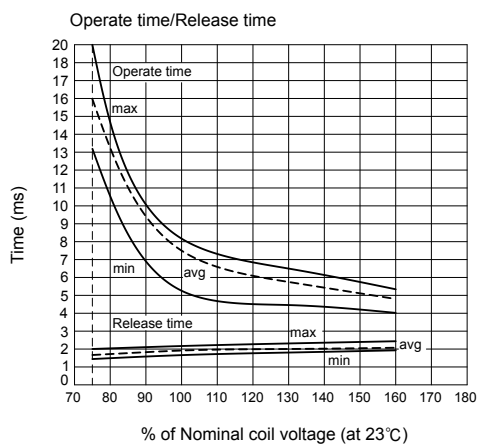
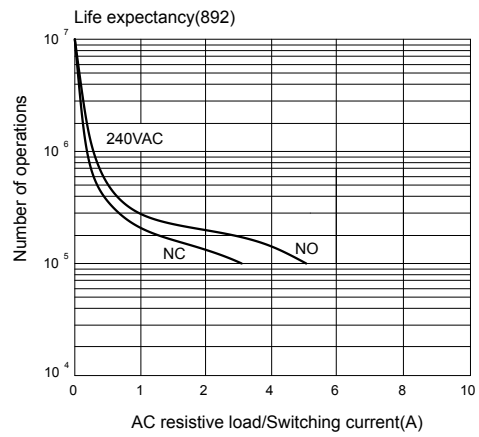
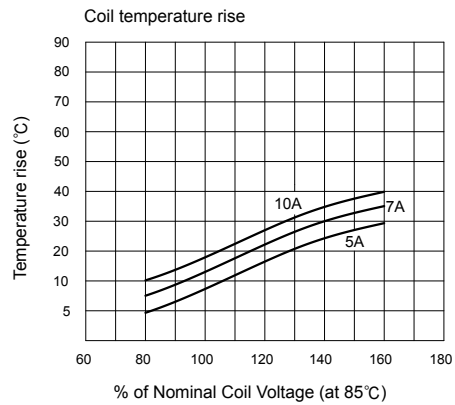


»» PC Board Layout

BOTTOM VIEW



»» Engineering Data





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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