

**8 A MINIATURE  
POWER RELAY  
IN DS RELAY SERIES**

**DS-P RELAYS**



**FEATURES**

- 1. Compact with high contact rating**  
Even with small 10 mm .394 inch (H) x 11 mm .433 inch (W) x 20 mm .787 inch (L) (dimensions, high capacity switching is provided: 1a, 8 A 250 V AC; 2a and 1a1b, 5 A 250 V AC).
- 2. High switching capability**  
High contact pressure, low contact bounce, and wiping operation improve resistance to weld bonding. Resistant against lamp load and dielectric loading: 1a achieves maximum switching capacity of 2,000 VA (8A 250 V AC).

**3. High sensitivity**

Using the same type of high-performance polar magnetic circuits as DS relays, by matching the spring load to the magnetic force of attraction, greater sensitivity has been achieved. The resultant pick up sensitivity of about 190 mW makes possible direct driving of transistors and chips.

**4. High breakdown voltage**

Breakdown voltage has been raised by keeping the coil and contacts separate.

Between contact and coil	Between contacts
3,000 Vrms for 1 min. 5,000 V surge breakdown voltage	1,000 Vrms for 1 min. 1,500 V surge breakdown voltage

Conforms with FCC Part 68

**5. Latching types available**

**6. Wide variation**

Three types of contact arrangement are offered: 1a, 2a, and 1a1b. In addition, each is available in standard and reversed polarity types.

**7. Sealed construction allows automatic washing**

**8. Complies with safety standards**

- Complies with Japan Electrical Appliance and Material Safety Law requirements for operating 200 V power supply circuits
- Complies with UL, CSA and TÜV safety standards
- Complies with EN 60335 / GWT (test report available)

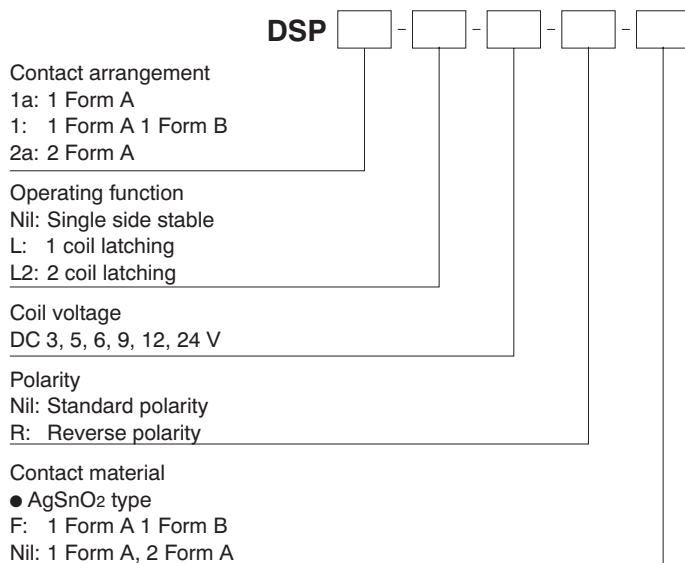
**TYPICAL APPLICATIONS**

1. Office and industrial electronic devices
2. Terminal devices of information processing equipment, such as printer, data recorder.
3. Office equipment (copier, facsimile)
4. Measuring instruments
5. NC machines, temperature controllers and programmable logic controllers.

**About Cd-free contacts**

We have introduced cadmium-free type products to reduce environmentally hazardous substances. Please replace parts that contain cadmium with Cd-free products. Evaluate them with your actual application before use because the life of a relay depends on the contact material and load.

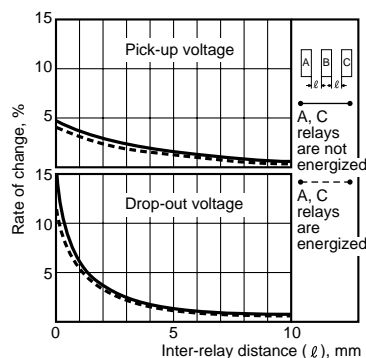
**ORDERING INFORMATION**



Notes: 1. Reverse polarity types available (add suffix-R)  
2. UL/CSA, TÜV approved type is standard.

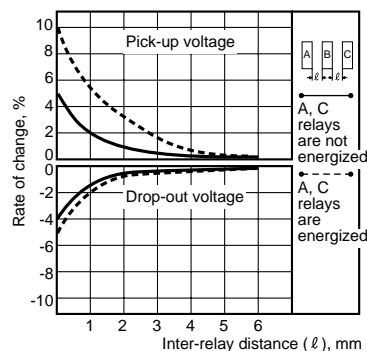
6.-(1) Influence of adjacent mounting  
(1 Form A)

Tested sample: DSP1a-DC12V, 5 pcs.



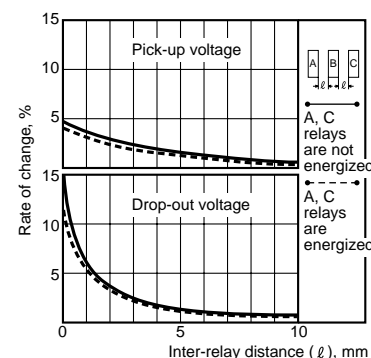
6.-(2) Influence of adjacent mounting  
(1 Form A 1 Form B)

Tested sample: DSP1-DC12V, 5 pcs.



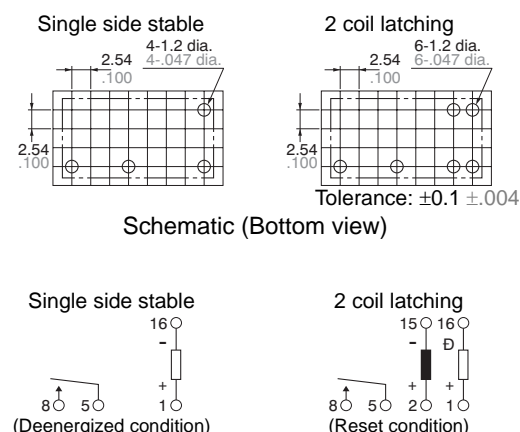
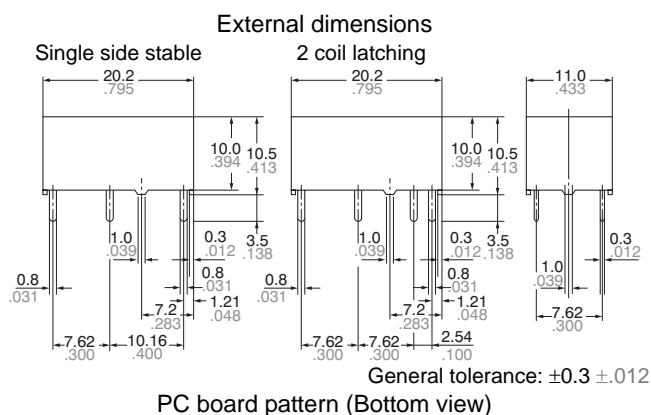
6.-(3) Influence of adjacent mounting  
(2 Form A)

Tested sample: DSP2a-DC12V, 5 pcs.



**DIMENSIONS** (Unit: mm inch)

1. 1 Form A type



2. 1 Form A 1 Form B type

