



- Amber types available

219

Ex.	S	2	EB	————	L2	————	48V
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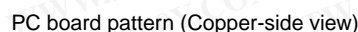
(Notes) 1. Standard packing Carton: 50 pcs. Case: 500 pcs.
2. 1 coil latching also available as option. Contact our sales office for details.
3. UL/CSA approved type is standard.

Single side stable

2 coil latching

Note: Insert 2, 3 or 4 in ☐ for contact form required.

mm inch



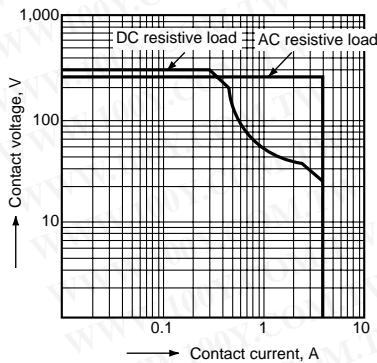
Tolerance: $\pm 0.1 \pm .003$

**Single side stable
Deenergized position**

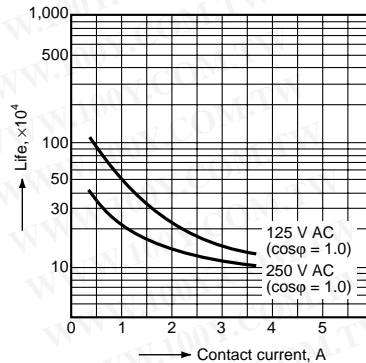


REFERENCE DATA

1. Maximum switching power



2. Life curve

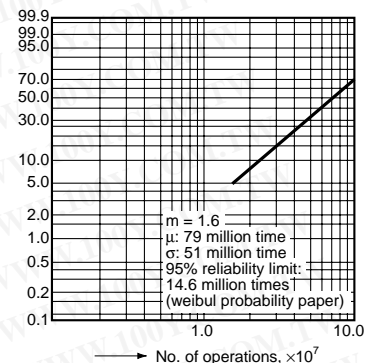


3. Contact reliability

Condition: 1V DC, 1mA

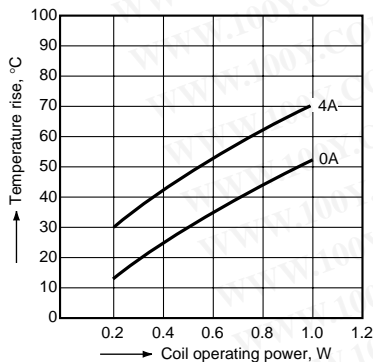
Detection level 10 Ω

Tasted Sample: S4EB-24V, 10pcs



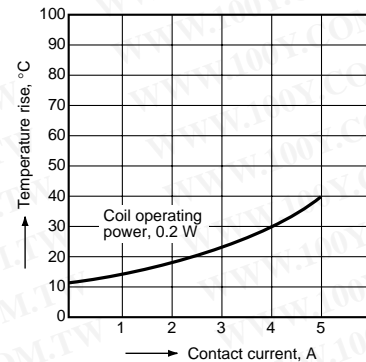
4.-(1) Coil temperature rise

Tested Sample: S4EB-24V, 4 Form A



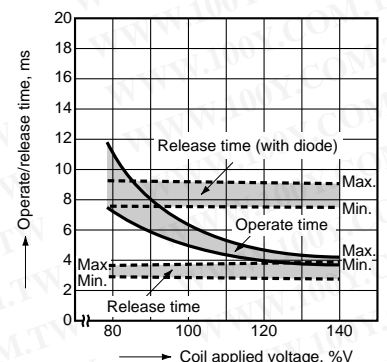
4.-(2) Coil temperature rise

Tested Sample: S4EB-24V, 4 Form A



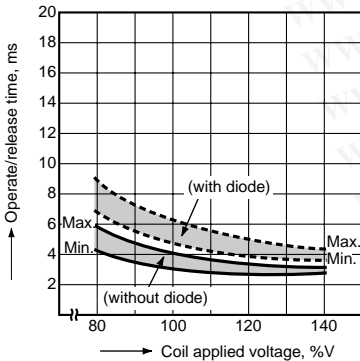
5.-(1) Operate and release time (Single side stable type)

Tested Sample: S4EB-24V, 10pcs

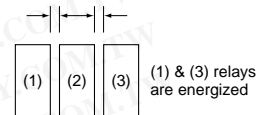


5.-(2) Operate time (2 coil latching type)

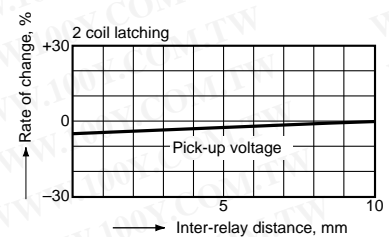
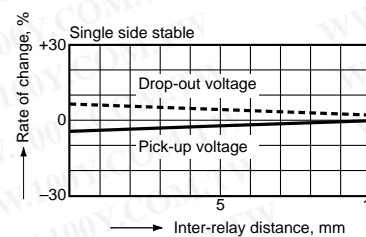
Tested Sample: S2EB-L2-12V



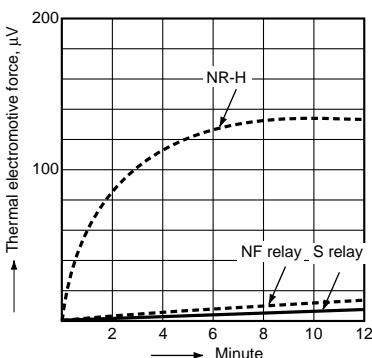
6. Influence of adjacent mounting



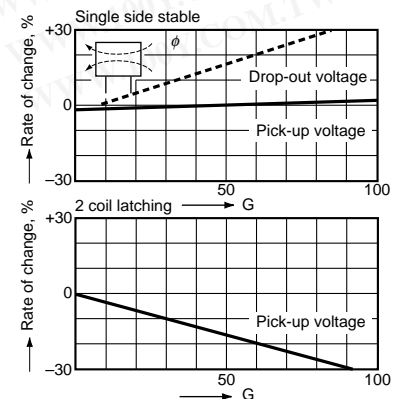
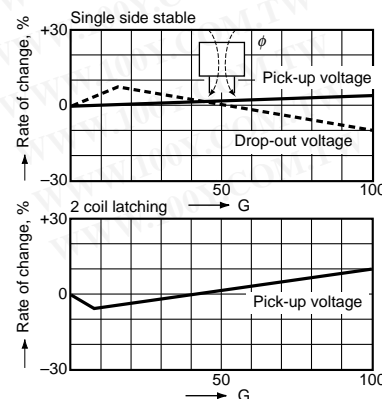
Note: When installing an S-relay near another, and there is no effect from an external magnetic field, be sure to leave at least 10 mm .394 inch between relays in order to achieve the performance listed in the catalog.



7. Thermal electromotive force



8. Effect from an external magnetic field



ACCESSORIES



S Relay Socket,
S-PS

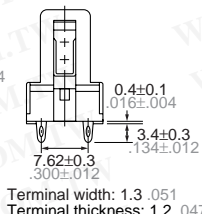
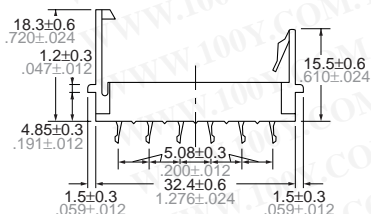
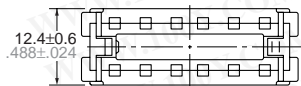
Specifications

Breakdown voltage	1,500 Vrms between terminals
Insulation resistance	More than 100 MΩ between terminals at 500 V DC Mega
Heat resistance	150 ±3°C (302 ±5.4°F) for 1 hour.
Maximum continuous current	4 A

(Note: Don't insert or remove relays while in the energized condition.)

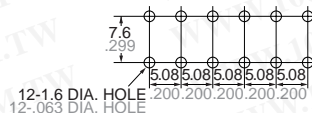
Dimensions

mm inch



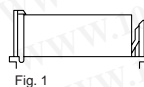
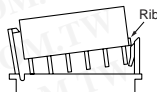
Terminal width: 1.3 .051
Terminal thickness: 1.2 .047

PC board pattern (Copper-side view)



Inserting and removing method

Inserting method: Insert the relay as shown in Fig. 1 unit the rib of the relay snaps into the clip of the socket.

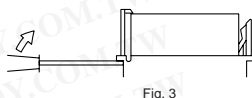


Removing method:

(1) Remove the relay straight from the socket holding the shaded portion of the relay as shown in Fig. 2.



(2) When sockets are mounted in close proximity, use a slotted screw driver as shown in Fig. 3.



勝特力材料 886-3-5753170
勝特力電子(上海) 86-21-54151736
勝特力電子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

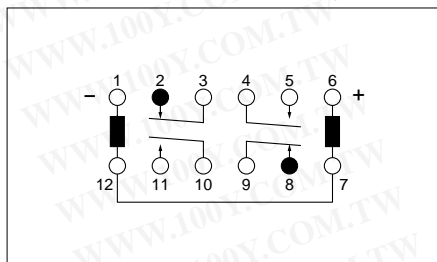
NOTES

1. Special use of 2 coil latching types: 2 ways can be considered if 2 coil latching types are used as 1 coil latching types.

(A) Reverse polarity is applied to the set coil of 2 coil latching type.

(B) By shorting terminals 12 and 7, apply plus to 1, minus to 6 at set and plus to 6, minus to 1 at reset. Applied coil voltage should be the same as the nominal. Operating power will be reduced to one-half.

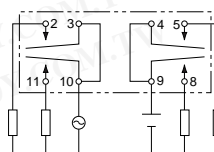
Reset position of 2a2b type



2. Soldering operations should be accomplished as quick as possible; within 10 seconds at 250°C 482°F solder temperature or 3 seconds at 350°C 662°F. The header portion being sealed with epoxy resin, undue subjection to heat may cause loss of seal. Solder should not be permitted to remain on the header.

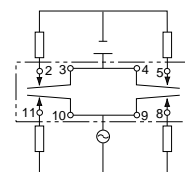
CAUTIONS FOR USE

Based on regulations regarding insulation distance, there is a restriction on same-channel load connections between terminals No. 2, 3 and 4, 5, as well as between No. 8, 9 and 10, 11. See the figure below for an example.



• Between 2, 3 and 4, 5: different channels, therefore not possible
• Between 10, 11 and 8, 9: different channels, therefore not possible

No good



• Between 2, 3 and 4, 5: same channels, therefore possible
• Between 10, 11 and 8, 9: same channels, therefore possible

Good

For Cautions for Use, see Relay Technical Information (Page 48 to 76).