

# Compact-sized Push Switch for Automotive Use

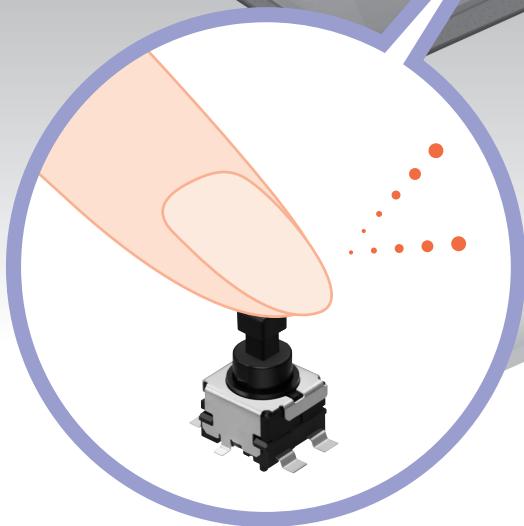
ALPS®

SPEF Series

New  
2007

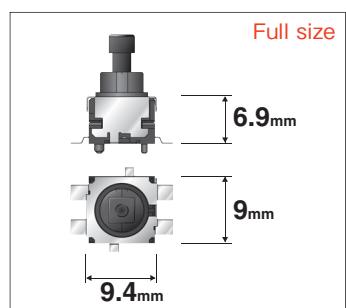
## Realized silent operations.

*Sharp feeling of clicking*



**Push-lock type switch for automotive use  
realizing silent operations.**

- Smooth, silent operations achieved by adopting our unique ratchet cam structure.
- Dip and reflow soldering techniques are available.
- Compact and low-profile dimensions(9.4×9×6.9mm).



The switches provide smooth feeling of silent operations.

# Compact-sized Push Switch for Automotive Use



SPEF Series



Reflow Type



Dip Type

## Push-lock type switch for automotive use realizing silent operations.

### Applications

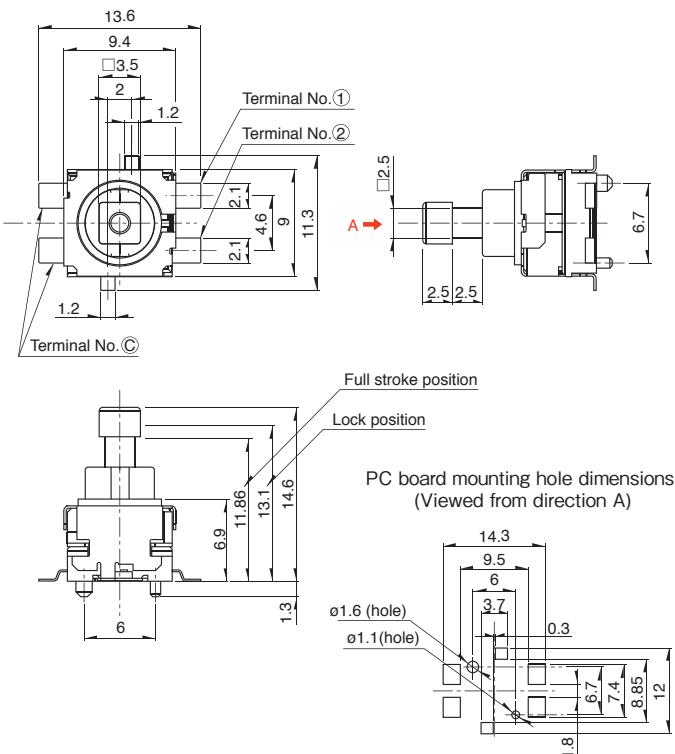
For switching modes in automotive units including map lamp, hazard lamp, and window lock

### Typical Specifications

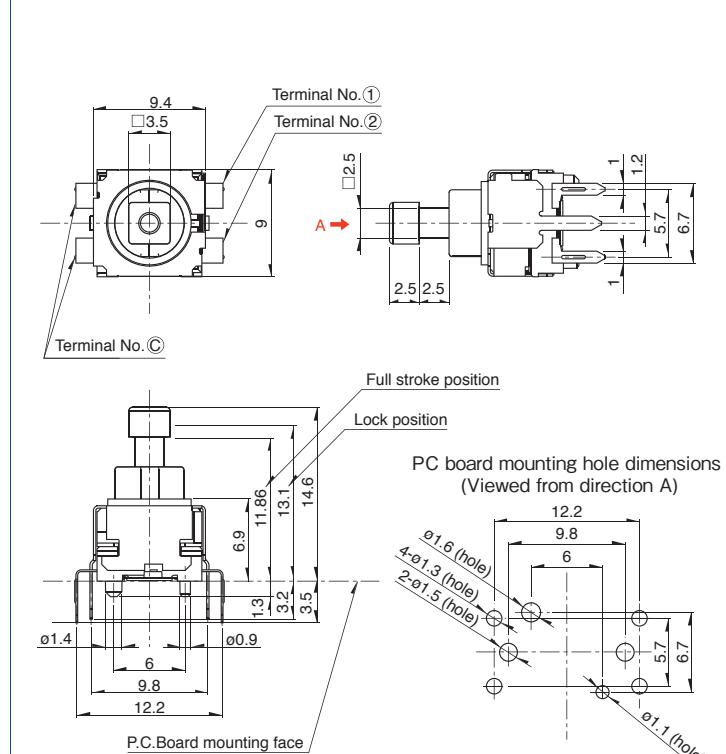
Items	Specifications
Dimensions (W×D×H)	9.4×9×6.9mm
Rating(max.) (Resistive load)	1A 14.5V DC
Contact resistance	100mΩ max.
Operating force	3N
Operating life	30,000cycles
Circuit configuration	1-pole, 2-position
Soldering type	Reflow, Dip

### Dimensions

#### Reflow Type



#### Dip Type



### Cautions for Use

- Specification indicated in this catalog is outline only. When employing the product, use of an officially authorized specification for supply contract is recommended.
- Unless specifically indicated otherwise, products in this catalog have been designed and manufactured for use in ordinary electronic equipment and devices, such as AV equipment, electric home appliances, office machines, and communications equipment. Equipment manufacturers are consequently advised that when these products are planned for equipment that requires a high degree of safety and reliability, especially those apparatuses like medical equipment, aviation and aircraft equipment, space equipment, and burglar alarm equipment, the manufacturers should assure equipment safety by providing protection circuits and redundant circuitry and should fully study the suitability of such products for the intended equipment.
- The external appearance, performances, and other properties of the product may be changed for improvement without prior notice. The product introduced in this catalog may discontinue being produced without prior notice.
- All product names, company names and names of standards described in this catalog are trademarks or registered trademarks of their respective owners.
- Please contact us for any enquiries and queries on our products and their uses.
- This catalog is valid till the end of December 2007.

### Inquiries about Products

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