

Water-proof Type SPVQ3 Series

| Photo | Dimensions | Circuit Diagram | Packing Specifications | Soldering Conditions |

PRINT

Normal type: 300,000 cycles

Part number	SPVQ370100	
Poles	1	
Positions	2	
Changeover timing	Non shorting	
Operation part shape	Actuator A	
Terminal type	For PC board	
Operating force	3N max.	
Main body form	Boss - both sides	
Operating temperature range	-40°C to +85°C	
Rating (max.)/(min.) (Resistive load)	0.1A 12V DC/50μA 5V DC	
Electrical performance	Contact resistance (Initial/After operating life)	500mΩ max./1Ω max.
	Insulation resistance	100MΩ min. 500V DC
	Voltage proof	500V AC for 1 minute
Mechanical performance	Terminal strength	3N for 1 minute
	Actuator strength	20N
Durability	Operating life without load	300,000 cycles 1Ω max.
	Operating life with load Rating (max.) (Resistive load)	300,000 cycles 1Ω max.
Environmental performance	Cold	-40°C 500h
	Dry heat	85°C 500h
	Damp heat	60°C, 90 to 95%RH 500h

Minimum order unit (pcs.)	Japan	1,300
	Export	5,200

3D CAD (STEP)



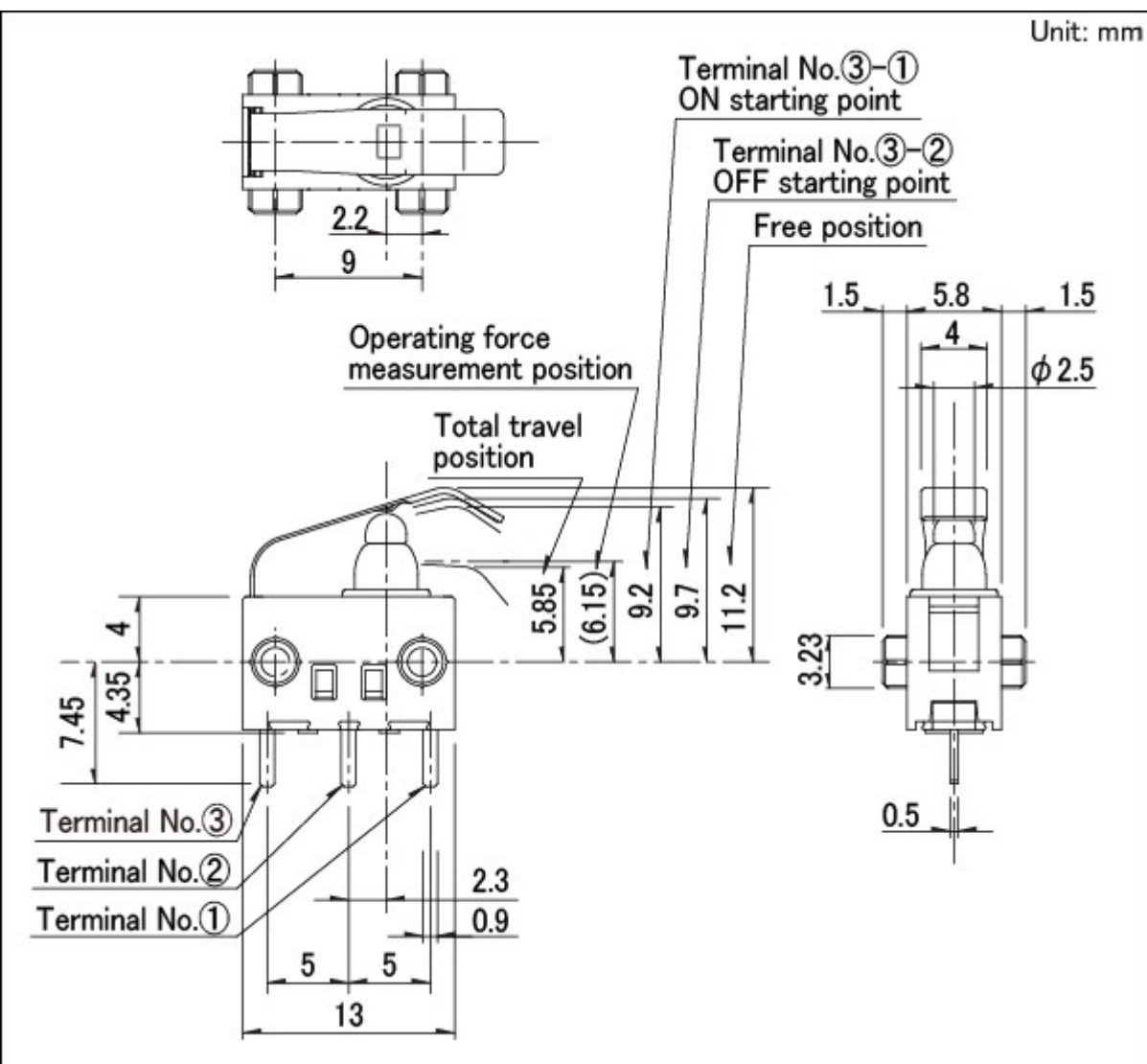
Certificate of Compliance to RoHS regulations



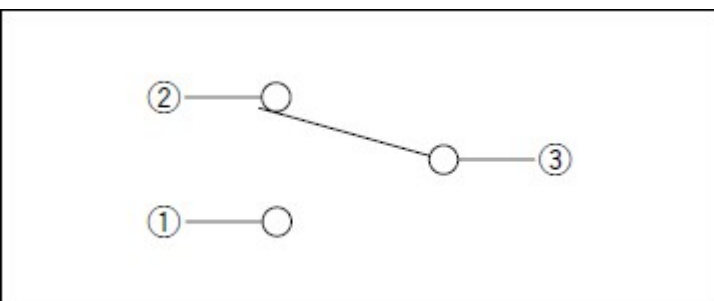
Photo



Dimensions



Circuit Diagram



Packing Specifications

Tray

Number of packages 1 case / Japan 1,300
(pcs.)

1 case / export
packing 5,200

Export package measurements (mm) 540×360×290

Soldering Conditions

Reference for Dip Soldering

Items Preheating temperature 100±10°C

Preheating time 60s max.

Dip soldering Soldering temperature 260±5°C

Duration of immersion 5±1s

Reference for Hand Soldering

Soldering temperature 300±10°C

Soldering time 3+1/0s

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Unless specified, the length of the lead wire is 250mm. Color is either Red, Black or Yellow. For length modification, please contact us.
3. This unit cannot be used in water (IP67 rating, except for terminal).
4. Unless circuit is specified, wired (downward) types will apply three wires.
5. Please specify circuit (N. O. or N. C.) for wired (side) types. Unless specified, the circuit will apply N. O.
6. Please place purchase orders per minimum order unit (integer).
7. This products can be used in vehicles.

Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

 [Inquiry](#)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Alps Alpine:](#)

[SPVQ370100](#)