

[| Dimensions](#) | [Circuit Diagram](#) | [Packing Specifications](#) | [Soldering Conditions](#) |



Part number
SPVQ820502 [Series Common Info](#)

NET SHOP

3D CAD

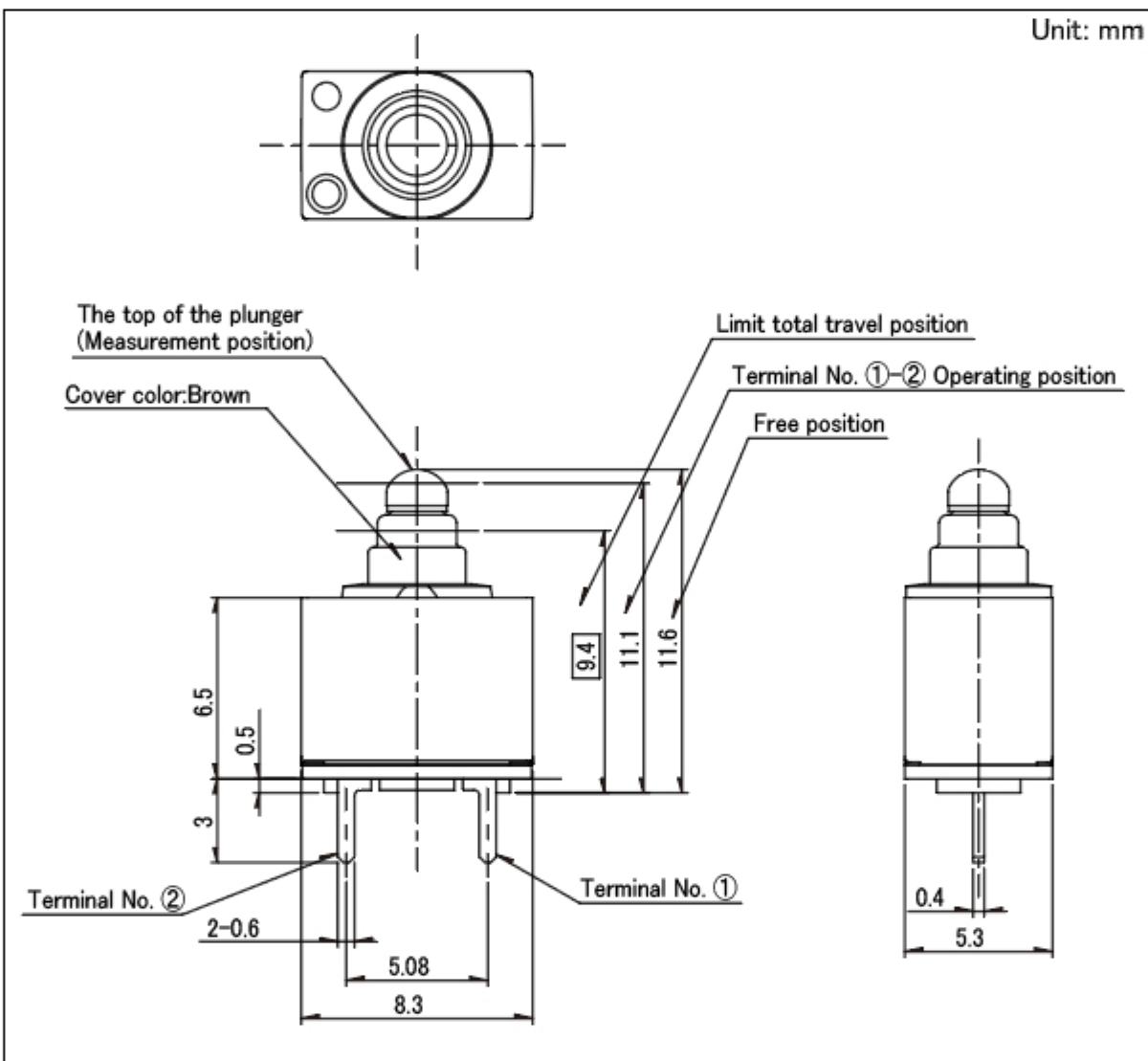
RoHS

Print

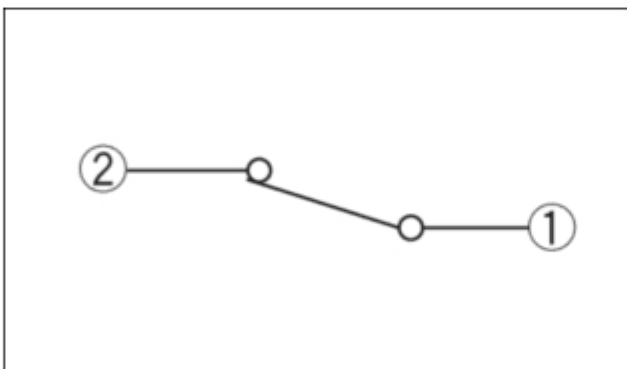
Inquiry

Standard type: 300,000 cycles		
Poles	1	
Positions	1	
Terminal type	For PC board	
Circuit	Normal Close	
Operating force	1±0.5N	
Main body form	Without boss	
Operating temperature range	-40℃ to +85℃	
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℃ 500h
	Dry heat	85℃ 500h
	Damp heat	60℃, 90 to 95%RH 500h
Minimum order unit (pcs.)	Japan	1,755
	Export	7,020

Dimensions



Circuit Diagram



Packing Specifications

Tray		
Number of packages (pcs.)	1 case / Japan	1,755
	1 case / export packing	7,020
Export package measurements (mm)	540×360×270	

Soldering Conditions

Reference for Dip Soldering		
Items	Preheating temperature	100±10℃
	Preheating time	60s max.
Dip soldering	Soldering temperature	260±5℃
	Duration of immersion	5±1s
Reference for Hand Soldering		
Soldering temperature		300±10℃
Soldering time		3+1/0s

Notes are common to this series/models.

- This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- Unless specified, the length of the lead wire is 250mm. Color is either red or black. For length modification, please contact us.
- Please specify circuits (N.O. or N.C.) for wired (side) types. Unless specified, the circuit will apply N.O.
- This unit cannot be used in water (IP67 rating, except for terminal).
- Please place purchase orders per minimum order unit (integer).
- 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.

Inquiries about Products

Inquiry