

# SPVQ8H Water-proof Type

Improved robustness with 110N wire tensile strength



## Typical Specifications

Items		Specifications
Rating (max.)/(min.) (Resistive load)		0.1A 12V DC/50μA 5V DC
Contact resistance (Initial / After operating life)		500mΩ max./1Ω max.
Operating force		4.7N max.
Operating life	Without load	100,000cycles.
	With load	100,000cycles.

## Product Line

Poles	Positions	Operating part shape	Circuit	Terminal type	Main body form	Minimum order unit (pcs)		Product No.	Drawing No.
						Japan	Export		
1	1	Actuator	N.O.	With wire (Downwards)	TypeA	300	300	<b>SPVQ8H0100</b>	1
					TypeB				

## Notes

- Unless specified, the length of the lead wire is 250mm. Color is either red or black. Please consult us for modification.
- Product with wire will be build-to-order.
- This unit cannot be used in water (IP67 rating).

## Packing Specifications

Tray

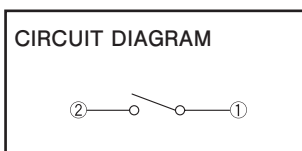
Number of packages (pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
300	300	360×360×290

## Dimensions

Unit:mm

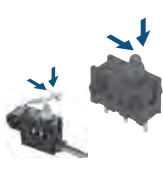
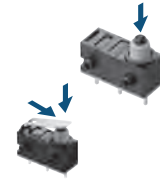
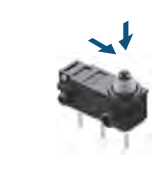
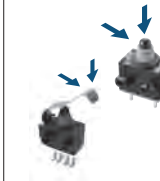






No.	Style	No.	Style
1		2	

## Circuit Diagram



# Detector Switches

## List of Varieties

Series		Water-proof Type				
		SPVQ3	SPVQ6	SPVQ7	SPVQ8	SPVQ8H
Photo						
Operation type		Two-way	One-way Two-way	Two-way		
Dimensions (mm)	W	13	13.3	14.7	8.3	14.8 17.95
	D	5.8	5.3	5.4	5.3	6.45
	H	8.35	7	6.7	6.5	14.5
Operating temperature range		-40°C to +85°C				
Automotive use		●	●	●	●	●
Life cycle (availability)						
Poles / Positions		1/1 1/2	1/2	1/1 1/2	1/1	
Rating (max.) (Resistive load)		0.1A 12V DC				
Rating (min.) (Resistive load)		50μA 5V DC				
Durability	Operating life without load	300,000cycles 1Ω max.			300,000cycles 1Ω max. or 1,000,000cycles 3Ω max.	100,000cycles 1Ω max.
	Operating life with load Rating (max.) (Resistive load)	300,000cycles 1Ω max.			300,000cycles 1Ω max. or 1,000,000cycles 3Ω max.	100,000cycles 1Ω max.
Electrical performance	Initial contact resistance	500mΩ max.				
	Insulation resistance	100MΩ min. 500V DC				
	Voltage proof	500V AC for 1minute				
Mechanical performance	Terminal strength	3N for 1minute (with terminal) Wire strength 30N for 1minute (with wire)	3N for 1minute		3N for 1minute (with terminal) Wire strength 30N for 1minute (with wire)	Wire strength 110N for 1minute
	Actuator strength	20N				
Environmental performance	Cold	-40°C 500h				
	Dry heat	85°C 500h				
	Damp heat	60°C, 90 to 95% RH 500h				
Operation force		1±0.5N 3N max.		1±0.5N	1±0.5N 3N max.	4.7N max.
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### Note

● Indicates applicability to all products in the series.