

0.5A 125V AC Qualified Type SDKN Series

Part number	SDKNA20900		
Type	Push		
Circuit arrangement	SPDT		
Total travel	9mm		
Operating force	3.5±1N		
Mounting method	Snap-in		
Operation type	Push		
Operating temperature range	-20°C to +60°C		
Ratings satisfying local electrical appliance and material safety law	0.5A 125V AC 0.25A 250V AC		
DC ratings	5mA 5V DC		
Electrical performance	Contact resistance	100mΩ max.	
	Insulation resistance	100MΩ min. 500V DC	
	Voltage proof	600V AC for 1 minute	
Mechanical performance	Terminal strength	50N for 1 minute	
	Actuator strength	Operating direction	20N
		Perpendicular direction	30N
Durability	Operating life	5,200 cycles 0.25A 250V AC	
Environmental performance	Cold	-30±2°C for 192h	

Dry heat

70±2°C for 192h

Damp heat

40±2°C, 90 to 95%RH for 192h

Minimum order unit (pcs.)

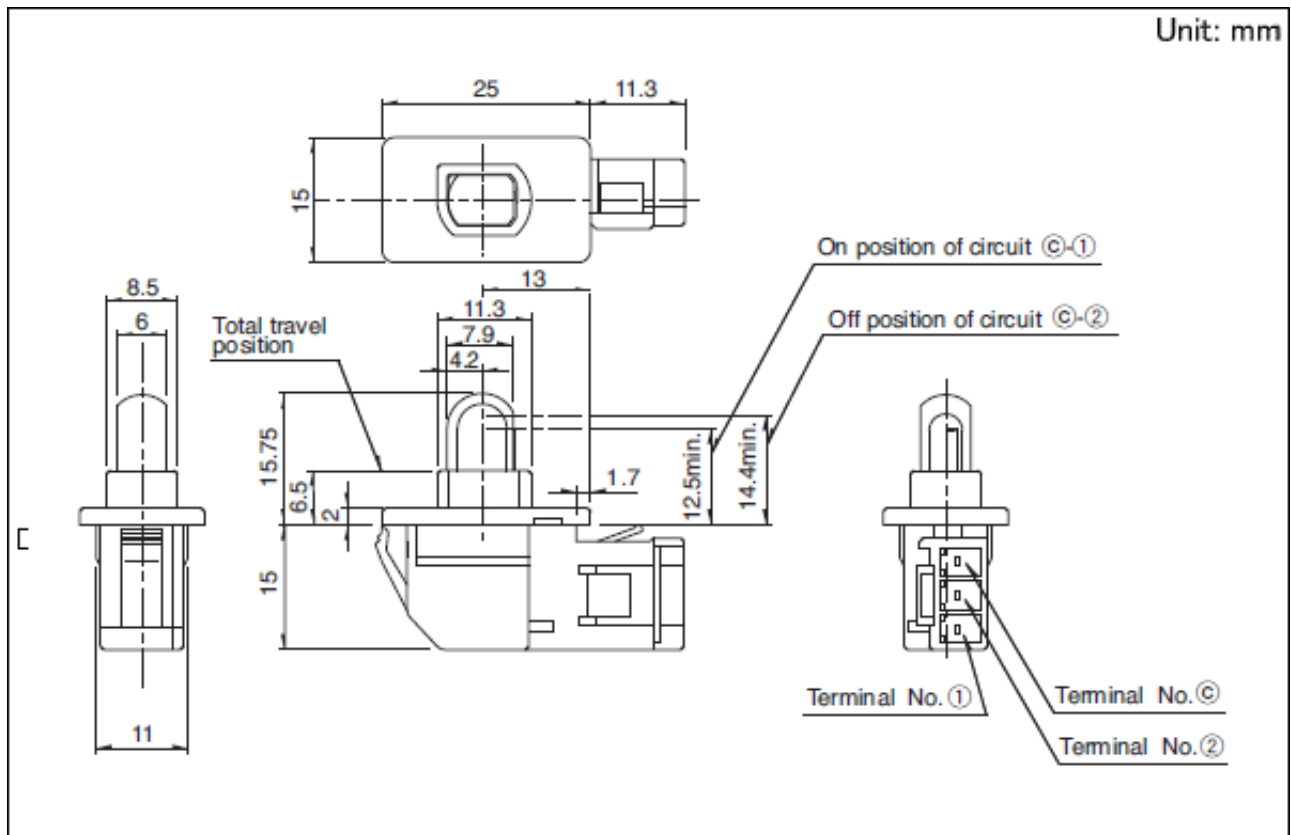
Japan

100

Export

1,250

Dimensions

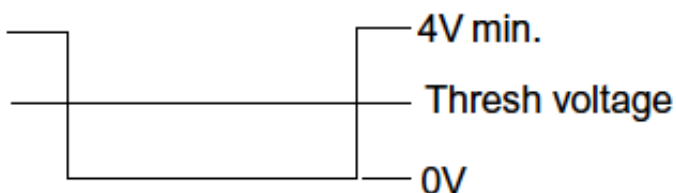


1. Connector corresponds to [HLP-03V], manufactured by the J.S.T. Mfg. Co., Ltd.
2. This product does not have a waterproof or drip-proof construction. Prevent ingress of water into the switch. Avoid using around spilt or flowing. It may cause deterioration of the insulation.
3. Do not apply load on the connector or lead wire (code) attached to the product. Using the product with load applied on the connector/ lead wire might cause terminal wobble or contact failures.
4. ON / OFF signal reading (For DC ratings)

Shall be considered when designing circuit and software as follows.

(1) Setting of thresh voltage

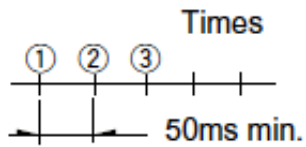
A 4V or larger voltage difference between switch ON and OFF is recommended. Thresh voltage should be set to the center.



(2) ON / OFF signal reading

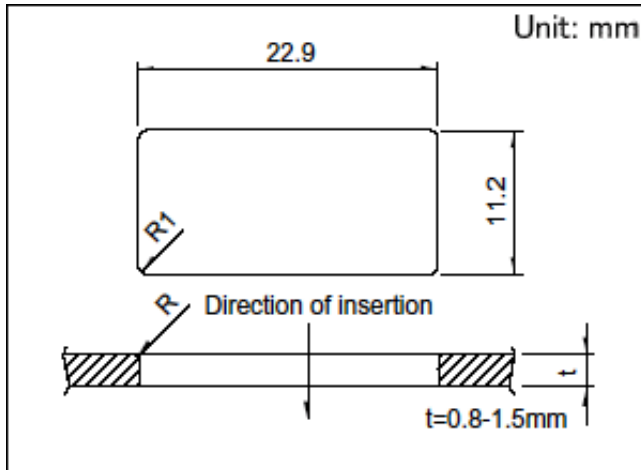
ON / OFF signal reading intervals should be at a minimum of 50ms with at least 3 repetitions.

Reading of micro-computer

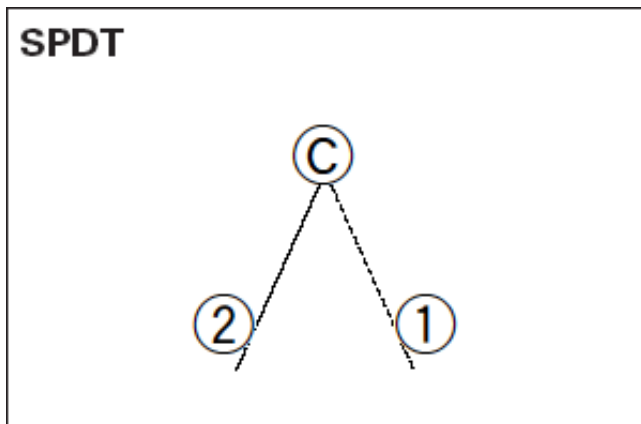


5. Verify the performance under actual product conditions before use.

Mounting Hole Dimensions



Circuit Diagram



Packing Specifications

Bulk

Number of packages (pcs.)	1 case / Japan	250
	1 case / export packing	1,250
Export package measurements (mm)	389×276×380	

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. Safety standard approval must be obtained as a set.
3. Please place purchase orders per minimum order unit (integer).