# Power Switch 0.5A 125V AC Qualified Type

**SDKN** Series

**RoHS** 

Detector

Push

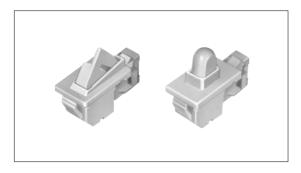
Slide

Rotary

Encoders

Power Dual-in-line

#### Compact and low-profile for primary/secondary switching with compatibility to low level rating.



#### Product Line

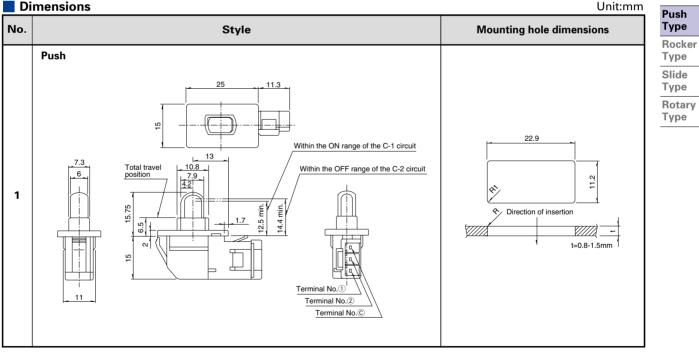
Product I	Line								Package Type			
Circuit arrangement	Rating	Total travel ( mm )	Operating force	Mounting method	Operation type	Minimum order unit( pcs. )	Product No.	Drawing No.	TACT Switch™			
SPDT	0.5A 125V AC 0.25A 250V AC	9	3.5 ± 1N	Snap-in	Push	1,250	SDKNA20600	1	Custom- Products			
51 01	5mA 5V DC	9.7	2 ± 1.5N		Lever	1,250	SDKNA20700	2				

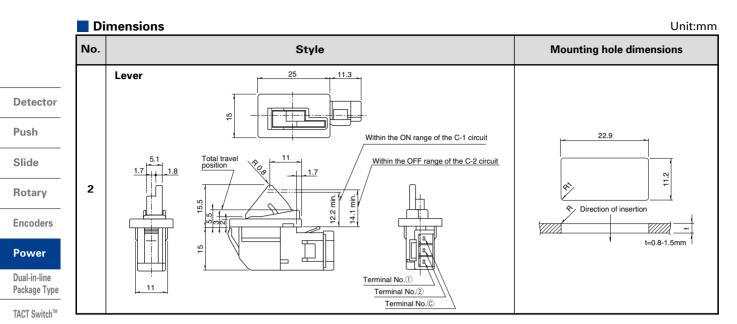
#### Notes

1. Safety standard approval must be obtained as a set.

2. Please place purchase orders per minimum orders units(integer).

#### Dimensions

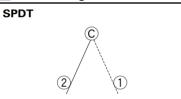




#### Note

Connector corresponds to [HLP-03V], manufactured by the J.S.T. Mfg. Co., Ltd.

#### 📕 Circuit Diagram



#### Push Type Rocker

Custom-

**Products** 

Type Slide Type Rotary Type

#### Note

Verify the performance under actual product conditions before use.

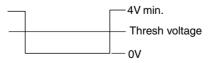
### Cautions

- 1. This product does not have a water-proof or drip-proof construction. Prevent ingress of water into the switch. Avoid using around spilt or flowing. It may cause deterioration of the insulation.
- 2. Do not apply load on the connecter or lead wire( code )attached to the product. Using the product with load applied on the connecter/lead wire might cause terminal wobble or contact failures.
- 3. 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



## List of Varieties

	ker		Push			Туре			
	SDDJF 1 2	SDDJE 1 2	SDKR	SDKQ	SDKS	SDKN	Series		ltems
Detecto Push	No U				And And		~	Photo	
Slide	5.2	9 14.6 2.5 1.5 3.5 5.2			Travel (mm)				
Rotary			Water-proof type			Remark			
Encoder Power	-10 to +55		-10 to + 85	-10 to -10 t		-20 to +60	Operating temperature range		
Dual-in-line Package Ty	16( 6 )⁄250 ~	6A/96A 250V ~ 16( 6 )/250 ~		3A 125V AC	2A 250V AC 4A 125V AC	0.25A 250V AC 0.5A 125V AC 5mA 5V DC	Rating		
TACT Switc	100m max.				50m max.	100m max.	Contact resistance		Electr
Custon Produc	500M min. 500V DC 2,000V AC for 1minute		5		100M min. 500V DC	500M min. 500V DC	lation stance		Electrical performance
			1,000V AC for 1minute	for 1minute	1,500V AC	1,000V AC for 1minute	tage oof		ance
	60N for 1minute	10N for 1minute	5N for 1minute		70N for 1minute	50N for 1minute	minal ength	Terr stre	Mec
Push Type	N	20N 100N 25N		20	Operating direction	Actuator	hanic		
Rocker Type	25N		N	20	30N	20N	Perpendicular direction	strength	al pei
Slide Type	350±10 ,3±0.5s		300 ± 10 , 3 ± 0.5s				Manual soldering	Resistance to	Mechanical performance
Rotary Type	260 ± 10 , 10 ± 1s 10,000cycles Load : as ratings		260±5 , 10±1s				Dip soldering	soldering heat	ance
1			100,000cycles	12,000cycles	cycles	6,000			Dura
			Refer to individual product spec.	js	Load : as rating		ting life	Opera	ıbility
	for 96h	-20 ± 2 for 96h		–25 ± 2 for 240h	–40 ± 2 for 96h	–30 ± 2 for 96h	old	C	Envi
	85 ± 2 for 96h 40 ± 2 , 90 to 95%RH for 96h 221 225		for 240h	85 ± 2	for 96h	85 ± 2	heat	Dry	Environmental performance
			60 ± 2 , 90 to 95%RH for 1000h	40 ± 2 , 90 to 95%RH for 240h	2 , RH for 96h	40 ± 90 to 95%I	p heat	Dam	ental nce
			220	219	217	215		Page	

Notes

1. 1. Dip soldering can be used on SDDJE For PC board terminal and SDDJF right angle terminal types only.

2. 2. The operating temperature range for automotive applications can be raised upon request. Please contact us for requirements of this kind.

