Compact two-way input device approximately 50% smaller than our conventional models



No.

1

2



Typical Specifications

Ite	ms	Specifications		
Rating (max.)/(min.) (Resistive load)		10mA 5V DC/50µA 3V DC		
Contact resistanc	ce	lΩ max.		
Operating force	Lever portion	0.65±0.3N		
Operating force	Push portion	2.5±1N		
Travel (Push oper	ation)	0.7mm		
Operating life	Without load	100,000 cycles		
Operating me	With load	100,000 cycles (10mA 5V DC)		

Product Line Minimum order unit (pcs.) Actuator configuration Drawing Push-on switch Location lug Product No. Japan Export SLLB510100 With Mounting knob integrated SLLB510200 Without With 1,500 6,000 SLLB520100 With Mounting knob SLLB520200 Without

Packing Specifications

Taping

Numb	er of packages	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
1,500	3,000	6,000	24	428×413×172

Note

For automotive use, please contact us.



Lever and Push Operation Type Switch SLLB5

Dimensions



Note

Dimensions drawing is for type with location lugs.

Circuit Diagram (Push Portion)



Code Table Code Table (20 Angle (15°) (15°) Terminal Lever circuit CCW - CW



Type

	Туре			Switch type				
ç	Series		SRBE	SLLB5 Small type	SLLB			
I	⊃hoto							
D	,	W	_	9.5	11.8			
Dimensions (typical value		D	_	8.8	11.4			
(mm)		н	_	2.2	3			
Number of	operating	shafts		Single-shaft				
Shaf	t materia	al		Resin				
Directio	nal resolu	ution	-	2	-direction			
Directional (tact	operating ile feeling		With		Without			
Lever ret	urn mechar	nism	Without		With			
Center-	push swi	itch		With				
E	ncoder		With		Without			
Operating t		-	−10℃ to	−40℃ to +85℃				
Operating	Opera life witho	iting out load		100,000 cycles				
life	Operating life (at max. ra	e with load ted load)	-	100,000 cycles				
Autor	motive us	se	-	_	-			
Life cycl	e (availat	oility)	*3	*3	*3			
Rating (ma	x.) (Resistiv	e load)	1mA 5V DC	10	mA 5V DC			
Electrical	Output v	voltage	1V max. at 1mA 5V DC (Resistive load)	_	1V max. at 1mA 5V DC (Resistive load)			
performance	Encoder re	esolution	6 pluses/360°		_			
	Insulation re	esistance	$10M\Omega$ min. 50V DC	100MC	2 min. 100V DC			
	Voltage	e proof	50V AC for 1min.	100	AC for 1min.			
_	Push operation	ting force	-	0.	65±0.3N			
	Encoder det	ent torque	3.5±1.5N	2.5±1N	2±1N			
Mechanical	Terminal s	strength	3±2mN⋅m	_	_			
performance	Terminal s		_	31	N for 1min.			
	Actuator	Push / pull directions		50N				
	strength	Operating direction	_		10N			
	Со	ld	-30℃ 96h	-20°C 96h	-40°C 96h			
Environmental performance	Dry h	ieat		85°C 96h				
panomiuno	Damp	heat		40°C, 90 to 95%RH 96h				
	Page		445	447	449			

 Switch Type Multi Control Devices Soldering Conditions
 451

 Switch Type Multi Control Devices Cautions
 452



Reference for Manual Soldering

Series	Tip temperature	Soldering time	No. of solders	
RKJXT1F, RKJXM, RKJXL, SLLB, SLLB5, SRBE, SKRH	350±5℃	3s max.	1 time	
RKJXS	350±10℃	3 ⁺¹ 0 s	2 time max.	

Reference for Dip Soldering

Series	Preheating		Dip so	No. of solders	
Jenes	Soldering surface temperature	Heating time	Soldering temperature	Soldering time	NO. OF SOIDERS
RKJXT1F, RKJXM	100℃ max.	2 min. max.	260±5℃	5±1s	2 time max.
RKJXL	120℃ max.	70s max.	260℃ max.	6s max.	2 time max.

Example of Reflow Soldering Condition

1. Heating method: Double heating method with infrared heater.

2. Temperature measurement: Thermocouple ϕ 0.1 to 0.2 CA (K) or CC (T) at soldering portion (copper foil surface). A heat resisting tape should be used for fixed measurement.

3. Temperature profile



Series	А	В	С	D	E	F	G	Н	I	No. of reflows
RKJXS	260°C	230°C	150°C	150°C	2 min.	_	10s	40s	4 min.	1 time
SLLB5	250℃	230℃	150°C	150℃	_	2 min.	_	30s	_	1 time
SKRH, SLLB, SRBE	260℃	230℃	180°C	150°C	2 min.	_	_	40s	_	1 time

Notes

1. The above temperature shall be measured on the mounting surface of a PC board. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the material, size thickness of PC boards and others. The above-stated conditions shall also apply to switch surface temperatures.

2. Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

/LPS/LPINE

Switch Type