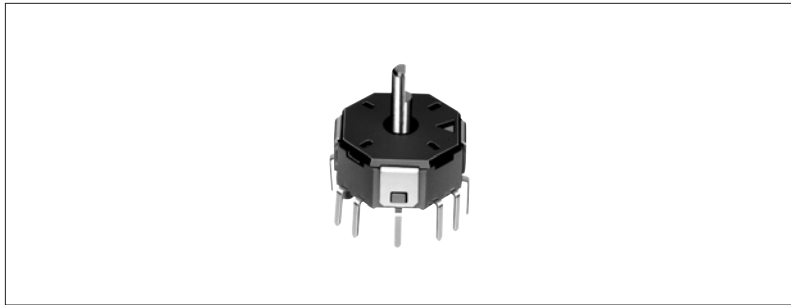


8-directional Switch with a Center Push

RKJXL Series

Thin shape type with the main body of 6.4mm in thickness that increases flexibility in set design.



Car Use

Features

- A center push switch is built into an 8-directional switch.
- An excellent operational feel is achieved with uniform application force.

Applications

- For a volume or a mode change of car audio, car navigation, and for a cursor control
- For various input controls of general consumer products
- For remote controllers of the above products

Typical Specifications

Items		Specifications
Rating (max.) (Resistive load)		10mA 5V DC
Operating angle (Lever operation)		12±3°
Travel (Push operation)		0.2±0.1mm
Operating life	8-direction	100,000 cycles
	Center push	

Products Line

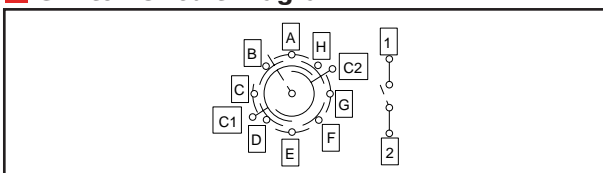
Maximum resolution	Operating force		Products No.	Minimum packing unit (pcs.)
	Direction (mN·m)	Center push (N)		
8-direction	10±7	4.5±1	RKJXL100401V	800

Dimensions

Unit:mm

Style	PC board mounting hole dimensions
<p>Center of shaft rotation</p> <p>Operating angle</p> <p>Operational direction of the shaft.</p> <p>Produce conduction between C1 and C2, and use both as COM. (Do not use individually as COM.) In such cases, power output in the operational direction of the shaft is obtained.</p> <p>(1)-(2) conduct by push- on operation.</p>	<p>Mounting hole details viewed from mounting side</p>

Switch Circuit Diagram



For other detailed specifications, see P.340

Power

Push

Slide

Rotary

Encoders

Detector

Dual-in-line
Package Type

Multi Control
Devices

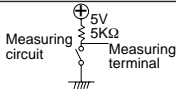
TACT

Custom-
Products

Variable
Resistor Type

Switch
Type

Products Specifications

Items		RKJXT	RKJXM	RKJXL	RKJXS	SLLB	SLLB5	SLLQ	
Operating temperature range		-30°C to +70°C			-20°C to +70°C	-10°C to +60°C		-40°C to +85°C	
Power	Rating (max.) (Resistive load)	10mA 5V DC							
Push	Electrical performance	Output voltage			1V max. at 1mA 5V DC (Resistive load)				
Slide		Directional resolution				8-directional			
Rotary		Insulation resistance			100MΩ min. 250V DC	50MΩ min. 50V DC	100MΩ min. 100V DC		
Encoders		Voltage proof			300V AC for 1min.	50V AC for 1min.	100V AC for 1 min.		
Detector	Mechanical characteristics	Direction application force		40±25mN·m	Direction A, B, C, D 30±20mN·m Direction AB, BC, CD, DA 25±20mN·m	10±7mN·m	0.8±0.5N	_____	
Dual-in-line Package Type		Push application force		4.5±2N	3±1.5N	4.5±1N	2.5±1.5N	_____	
Multi Control Devices		Encoders Detent torque		15±8mN·m	12±8mN·m	_____			
TACT		Robustness of terminal		_____			3N for 1 min.		
Custom-Products		Robustness of actuator	Pushing direction		_____		30N	50N	30N
			Operating direction		_____		20N	10N	
		Solder heat resistance	Manual soldering		300°C max. 3s max.		350±10°C 3 ¹ / ₂ s	350±5°C 3s max.	
Dip soldering			260±5°C, 5±1s		_____				
Reflow soldering			_____		Please see P.341				
Endurance		Vibration		8.3 to 200 to 8.3Hz, 4.4G fixed (for 15 minutes/1 cycle), 3 angles each 2 hours			10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 2 hours respectively		
	Operating life	Directions	50,000 cycles	100,000 cycles		500,000 cycles	_____		
		Center detent	_____		_____				
	Encorder		15,000 cycles		_____				
	Operating life without load		_____			100,000 cycles			
Operating life with load (Load : As rating)		_____			100,000 cycles				
Environmental test	Cold		-40±2°C for 500h		-40±2°C for 96h	-20±2°C for 96h	-40±2°C for 96h		
	Long-term heat resistance		85±2°C for 500h		85±2°C for 96h				
	Moisture resistance		90 to 95%RH for 500h, 60±2°C		90 to 95%RH for 96h, 60±2°C	90 to 95%RH for 96h, 40±2°C			

Note

Shall be in accordance with individual specifications.