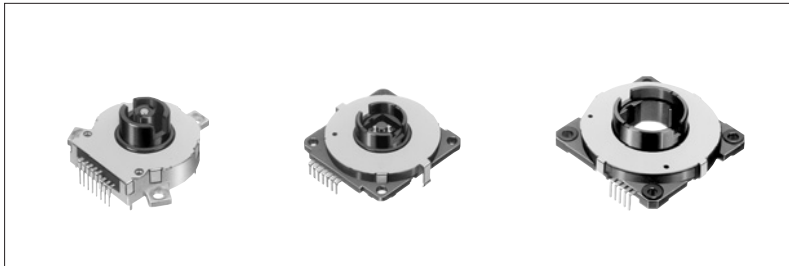


Jog-shuttle Switch

SRGP Serise

Enhanced variety of products for jog shuttle and shuttle.

Power
Push
Slide
Rotary
Encoders



Jog Shuttle
Telephone-hook
Detector
Vibration Sensors
Dual-in-line Package Type
Multi Control Devices
TACT

Features

- Compact, thin design with a good space factor.
- The control unit permits a choice of operational modes, including momentary, detent, non-detent, etc.

Applications

- Editing and programming in VCRs, CD players, video disk players, DATs, etc

Typical Specifications

Items		Specifications			
Rating (max.) (Resistive load)		10mA 5V DC			
Output voltage	Shuttle part	4V min. at 1mA 5V DC (Resistive load)			
	Jog part				
Operating force	Type	SRGPHJ	SRGPJJ	SRGPTJ	SRGPVJ
	Shuttle part	30±20 mN·m		45 mN·m max.	55 mN·m max.
	Jog part	5 mN·m max.	_____		
Operating life	Without load	Jog part	100,000cycles	_____	
		Shuttle part	50,000cycles		
	With load	Jog part	100,000cycles	_____	
		Shuttle part	50,000cycles		

Products Line

Jog-shuttle Type

Construction	Jog operation	Jog output code	Shuttle operation	Shuttle operating angle	Minimum packing unit (pcs.)	Products No.	Drawing No.
Standard	Detent	10-pulses	Momentary	160°	100	SRGPHJ3200	1
	Non-detent					SRGPHJ2800	

Shuttle Type

Construction	Jog operation	Shuttle operation	Tact switch	Minimum packing unit (pcs.)	Products No.	Drawing No.	
Standard	160°	Momentary	_____	100	SRGPJJ1100	2	
Low-profile	120°		With		_____	SRGPTJ0500	3
			Without		_____	SRGPTJ0700	
Hollow			_____		_____	SRGPVJ0100	4

Notes

Additional switches not included in the above list are also available. Contact us for details.

For other detailed specifications, see P.241

Dimensions

Standard

Unit : mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	<p>Jog-shuttle SRGPHJ</p>	
2	<p>Shuttle SRGPJJ</p>	

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Low-Profile type

Unit : mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
3	<p>Shuttle SRGPTJ</p>	
4	<p>Shuttle SRGPVJ</p>	

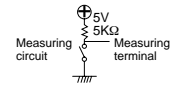
Output Codes (Shuttle Part)

Code table = ON

Series	Code position (Viewed from direction A)	Code table																																																																																																																						
SRGPHJ SRGPJJ	A type 	<table border="1"> <thead> <tr> <th>Angle</th> <th>-80°</th> <th>-70°</th> <th>-60°</th> <th>-50°</th> <th>-40°</th> <th>-30°</th> <th>-20°</th> <th>-10°</th> <th>-5°</th> <th>0°</th> <th>10°</th> <th>20°</th> <th>30°</th> <th>40°</th> <th>50°</th> <th>60°</th> <th>70°</th> <th>80°</th> </tr> </thead> <tbody> <tr> <td>Terminal ①</td> <td colspan="9">ON</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Terminal ②</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Terminal ③</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Terminal ④</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C.1</td> <td colspan="19">ON</td> </tr> </tbody> </table> <p style="text-align: center;">CCW ← → CW</p>	Angle	-80°	-70°	-60°	-50°	-40°	-30°	-20°	-10°	-5°	0°	10°	20°	30°	40°	50°	60°	70°	80°	Terminal ①	ON																		Terminal ②																				Terminal ③																				Terminal ④																				C.1	ON																		
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Products Specifications

Items		Type	SRGPHJ	SRGPJJ	SRGPTJ	SRGPVJ
Operating temperature range			-10°C to +60°C			
Rating (max.) (Resistive load)			10mA 5V DC			
Electrical performance	Output voltage	Shuttle part	4V min-at 5VDC,1mA(resistiveload)			
		Jog part				
	Insulation resistance		100MΩ min. 100V DC			
	Voltage proof		100V AC for 1 min.			
Mechanical performance	Operating force		—			
	Rotational torque	Shuttle part	30±20mN·m		45mN·m max.	55mN·m max.
		Jog part	5mN·m max.	—		
	Robustness of terminal		5N for 1 min.			3N for 1 min.
	Robustness of actuator	Pushing direction	100N		40N	70N
		Pulling direction				
		Rotational direction	0.6N·m		0.5N·m	
	Vibration		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			
	Solderability		230±5°C, 3±0.5s			
	Resistance to soldering heat	Manual soldering	300±10°C, 3 ⁺ 1s			
Dip soldering		260±5°C, 5±1s		255°C max. 5s max.		
Durability	Operating life without load	Shuttle part	50,000 cycles			
		Jog part	100,000 cycles	—		
	Operating life with load	Shuttle part	50,000 cycles			
		Jog part	100,000 cycles	—		
Environmental performance	Cold		-20±2°C for 96h			
	Dry heat		85±2°C for 96h			
	Damp heat		40±2°C, 90 to 95%RH for 96h			



Power

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Telephone-hook

Detector

Vibration Sensors

Dual-in-line Package Type

Multi Control Devices

TACT

Note

Shall be in accordance with individual specifications.