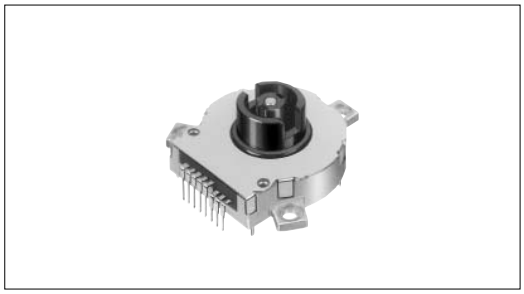
Jog-shuttle Switch Type

SRGP Series

RoHS compliant

A wide variety of products for the jog shuttle.



Typical Specifications

Items			Specifications
Rating (max.) / (min.) (Resistive load)			10mA 5V DC/50μA 3V DC
Output voltage	Shuttle part		4V min. at 1mA 5V DC (Resistive load)
	Jog part		
Operating force	Shuttle part		30±20mN·m
	Jog part		5mN·m max.
Operating life	Without load	Jog part	100,000cycles
		Shuttle part	50,000cycles
	With load	Jog part	100,000cycles
		Shuttle part	50,000cycles

Product Line

Structure	Jog operation	Jog output code	Shuttle operation	Shuttle operating angle	Minimum order unit (pcs.)	Product No.
Standard	Detent	10-pulses	Momentary	160 °	400	SRGPHJ3200

Notes

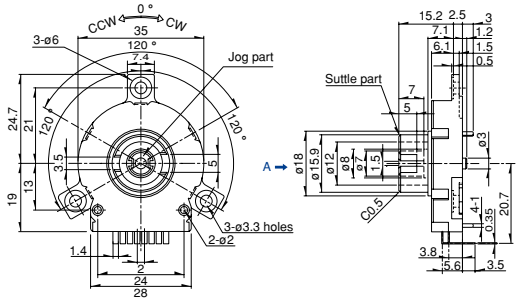
1. Products other than those listed in the above chart are also available. Please contact us for details.
2. Please place purchase orders per minimum order unit (integer).

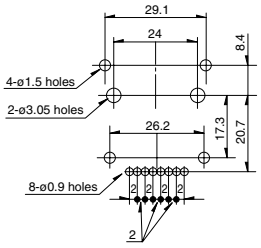
Dimensions

Standard

Unit:mm

Style	PC board mounting hole dimensions (Viewed from the direction A)
Jog-shuttle SRGPHJ	

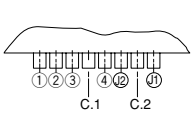


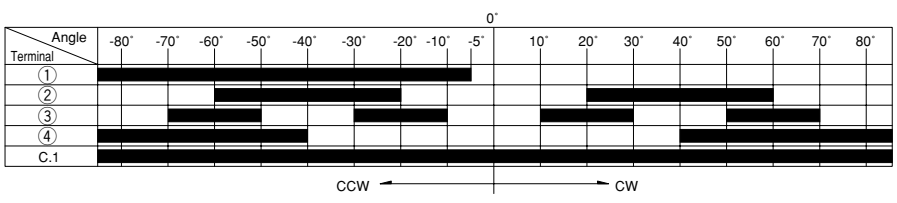


Output Codes (Shuttle Part)

Code table (■=ON)

Series	Code position (Viewed from direction A)	Code table
SRGPHJ	A type	





ALPS

List of Varieties

Type			Absolute type			
			With Knob	Metal shaft	Hollow shaft	Jog-shuttle
Series			SRRQ	SRGH	SRGA	SRGPHJ
Photo						
Output			Absolute type			
Outline specifications	Shaft types		With knob	Single-shaft	Hollow shaft	Single-shaft/ Dual-shaft
	Operating direction		Vertical/Horizontal	Vertical		
	Number of pulse/ Number of detent		—			
	Push switch (Travel mm)		Without			
	Optional functions		—			
	Changeover angle		22.5°, 36°	40°, 12.8°	15°, 24°, 30°, 45°	Shuttle part:All angles rotation 160° Jog part:All angles rotation 360°
Dimensions (mm)	W		14.4	20	18	35
	D		15.6	19		43.7
	H		7.5	10.5	8	8.6
Soldering	Manual soldering		300±10°C, 3 $^{+1}_{0}$s	350±10°C, 3 $^{+1}_{0}$s		300±10°C, 3 $^{+1}_{0}$s
	Dip soldering		260±5°C, 10±1s			260±5°C, 5±1s
	Reflow soldering		—		Please see P.209	—
Operating temperature range			-10°C to +60°C	-40°C to +85°C	-10°C to +60°C	
Electrical performance	Initial contact resistance		1Ω max.			—
	Output voltage	Shuttle part	—			4V min. at 1mA 5V DC (resistive load) 
		Jog part				
	Insulation resistance		100MΩ min. 100V DC			
Mechanical performance	Voltage proof		100V AC for 1minute			
	Rotational torque		Shall be in accordance with individual specifications.			
	Terminal strength		5N for 1minute			
	Resistance to soldering heat	Rotational direction	—			0.6 N•m
		Push direction	5N	100N		
	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			
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			
Page			202	204	206	208

Note

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