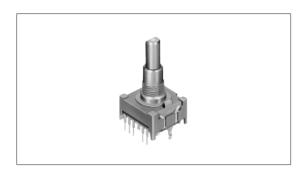
Metal Shaft Type **SRGH** Series



Shaft vertical type facilitates mounting and provides high versatility.



Typical Specif	Typical Specifications									
Item	S	Specifications								
Rating (max.) / (Resistive load)		0.1A 12V DC/50μA 3V DC								
Contact resistand (Initial/After ope		1Ω max./1Ω max.								
Operating life	Without load	10,000cycles								
Operating me	With load	10,000cycles (0.1A 12V DC)								

Push

Detector

Slide

Rotary

Encoders

Power

Dual-in-line Package Type

TACT Switch™

Custom-**Products**

Product Line

	Torque	Operating			Minimum					
	15-positions			Positions	Changeover	order unit	Product	Drawing		
6-positions	Between 1-position, 2-positions	Between 2-positions, 14-positions	Between 14-positions, 15-positions	direction		angel	(pcs.)	No.	No.	
37.3±20.5	37.3±20.5	21.6±11.8	37.3±20.5	Vertical	6	40°	400	SRGH160100	1	
	37.3 1 20.5	21.0 - 11.8		vertical	15	12.8°		SRGH1F0100	2	

Packing Specifications

Bulk

Number of pa	Export package measurements					
1 case /Japan	1 case /Japan 1 case /export packing					
80	400	400×270×290				

- 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 N (integer).

Incremental Type Absolute Туре



■ Dimensions Unit:mm

Detector

Push

Slide

Rotary

Encoders

Power

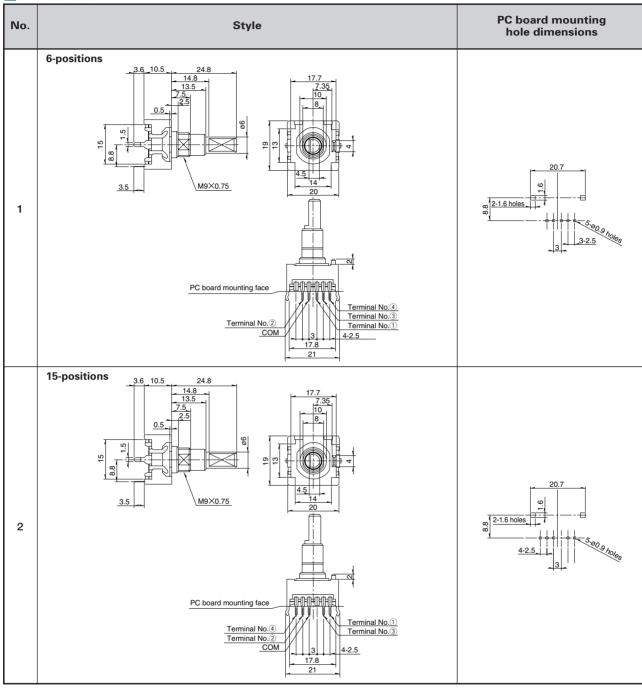
Dual-in-line Package Type

TACT Switch™

Custom-Products

Incremental Type

Absolute Type





Standard Codes

Number of positions																
								il.								
Terminal Position							6									15
Code	minal Sition	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	•				•										
Cuov	2					•										
Gray	3					•										
	4															

The marks shows the ON position.

Detector Push

Slide

Rotary

Encoders

Power

Dual-in-line

Package Type

TACT Switch™

Custom-Products

Incremental Type

Absolute Type

	-	Absolu	ite type						
	Туре	Metal shaft	Hollow shaft						
	Series	SRGH	SRGA						
	Photo								
	Output	Absolu	ute type						
	Shaft types	Single-shaft	Hollow shaft						
<u>\$</u>	Operating direction	Ver	tical						
Outline specifications	Number of pulse/ Number of detent								
atio	Push switch (Travel mm)	Wit	hout						
าร	Optional functions								
	Changeover angle	40°, 12.8°	15°, 24°, 30°, 45°						
<u>.</u>	w	20	18						
Dimensi (mm		19	10						
	Н	10.5	8						
Solderi	Manual soldering	350±10℃, 3 ¹¹ 0s							
	Dip soldering	260±5℃, 10±1s							
Operati	ng temperature range		Please see P.234						
	operating current (Resistive load)	-40°C to +85°C	-10°C to +60°C						
Electrical performance	Initial contact resistance	1Ω	max.						
trica man	Insulation resistance	100MΩ mi	in. 100V DC						
ce	Voltage proof		or 1minute						
	Rotational torque		cordance with pecifications.						
Mechanical performance	Terminal strength	5N for 1minute							
hani orma	Push-pull strength	10	ON						
cal nce	Vibration		n for all the frequencies, in the 3 direction of X, ours respectively						
Envi	Cold	-20±2°C	C for 96h						
Environmenta performance	Dry heat	85±2℃	for 96h						
ental nce	Damp heat	40±2℃, 90 to	95%RH for 96h						
Page 230 232									

- Encoders Cautions ·······235, 236

Note

* The operating temperature range for automotive applications can be raised upon request. Please contact us for details.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line

Package Type

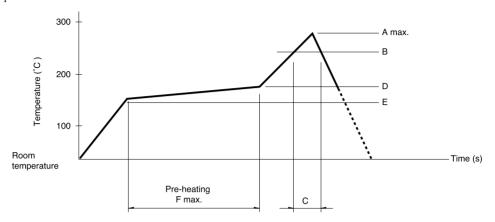
TACT Switch™

Custom-Products

Soldering Conditions

Example of Reflow Soldering Condition

- 1. Heating method: Double heating method with infrared heater.
- 2. Temperature measurement: Thermocouple 0.1 to 0.2 ϕ 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(Reflow type)	A(℃) max.	B (℃)	C (s)	D (℃)	E(℃)	F(s)
SRGP30	240	230	20	150		
SRGP30	260	230	40	180	150	120
SRGAR10100	240	220	30	160		

Notes

- 1. The condition mentioned above is the temperature 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 PC board's material, size, thickness, etc. 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.

Incremental Type

Absolute Type

Attached Parts

The following parts are included with the product.

SRGH Series Unit:mm

