





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	—————				
Dimensions (mm)	Changeover angle	22.5°, 36°	40°, 12.8°	15°, 24°, 30°, 45°	Shuttle part: All angles rotation 160° Jog part: All angles rotation 360°	
	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 , 3 ⁺¹ s		350 ± 10 , 3 ⁺¹ s		
	Dip soldering	260 ± 5 , 10 ± 1s			260 ± 5 , 5 ± 1s	
	Reflow soldering	—————			Please see P.209	
Operating temperature range		-10 to +60	-40 to +85	-10 to +60		
Electrical performance	Initial contact resistance		1 max.			
	Output voltage	Shuttle part	—————			
		Jog part	4V min. at 1mA 5V DC (resistive load)			
Insulation resistance		100M 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	—————			
		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 for 96h			
	Dry heat		85 ± 2 for 96h			
	Damp heat		40 ± 2 , 90 to 95%RH for 96h			
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Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Incremental
Type

Absolute
Type



Note

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