











# Multi Control Devices








## List of Varieties

Type		Switch type				
Series		RKJXT1F	RKJXM		RKJXW	
			RKJXM1	RKJXM2	RKJXW1	RKJXW2
Photo						
Dimensions (typical value) (mm)	W	17	11	19.5	36	61
	D				48.5	75.5
	H	10.5	6.6	5.45	26.5	17
Number of operating shafts		Single-shaft		Dual-shaft	Single-shaft	Dual-shaft
Shaft material		Metal		The inner shaft : Metal The outer shaft : Resin	Metal	Resin
Directional resolution		4-direction		8-direction		
Directional operating feeling (tactile feeling)		With				
Lever return mechanism		With				
Center-push switch		With				
Encoder		With	Without	With		
Operating temperature range		-40°C to +85°C				
Operating life	Directional operation	total with 4-direction 50,000 cycles	total with 8-direction 100,000 cycles		30,000 cycles for each direction	
	Center-push				30,000 cycles	100,000 cycles
	Encoder	15,000 cycles	—	15,000 cycles	30,000 cycles	
Automotive use		●	●	●	●	●
Life cycle (availability)						
Rating (max.) (Resistive load)		10mA 5V DC				
Electrical performance	Output voltage	—	—	—	—	—
	Encoder resolution	15pulses/360°	—	15pulses/360°		
	Insulation resistance	100MΩ min. 250V DC				
	Voltage proof	250V AC for 1min.			360V AC for 2s	60V AC for 2s
Mechanical performance	Directional operating force	40±25mN·m	Direction A, B, C, D 30±20mN·m		2.5±1.5N	3.5±2N
			Direction AB, BC, CD, DA 25±20mN·m			
	Push operating force	5±2N	3±1.5N			
	Encoder detent torque	15±8mN·m	—	12±8mN·m	30±20mN·m	40±16mN·m
	Terminal strength	5N for 1min.				
Actuator strength	Push / pull directions	100N (Push/Pull)	100N (Push), 50N (Pull)		100N (Push)	
	Operating direction	0.4N·m	0.3N·m		50N	100N
Environmental performance	Cold	-40°C 500h				
	Dry heat	85°C 500h				
	Damp heat	60°C, 90 to 95%RH 500h				40°C, 90 to 95%RH 500h
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### Note

● Indicates applicability to all products in the series.

Type		Switch type			
Series		RKJXL	RKJXS	SKRH	
				SKRHAA/AB	SKRHAC/AD
Photo					
Dimensions (typical value) (mm)	W	13	11.7	7.35/7.45	
	D			7.5	
	H	6.4	2.3	5	
Number of operating shafts		Single-shaft			
Shaft material		Metal	Resin		
Directional resolution		8-direction		4-direction	
Directional operating feeling (tactile feeling)		Without		With	
Lever return mechanism		With			
Center-push switch		With			
Encoder		Without			
Operating temperature range		-30°C to +70°C	-20°C to +70°C	-40°C to +85°C	
Operating life	Directional operation	total with 8-direction 100,000 cycles	500,000 cycles for each direction	200,000 cycles for each direction	1,000,000 cycles for each direction
	Center-push	100,000 cycles	500,000 cycles	200,000 cycles	1,000,000 cycles
	Encoder	—	—	—	
Automotive use		●	—	—	
Life cycle (availability)					
Rating (max.) (Resistive load)		10mA 5V DC		50mA 12V DC	
Electrical performance	Output voltage	—	 1V max. at 1mA 5V DC (Resistive load)	—	
	Encoder resolution	—	—	—	
	Insulation resistance	100MΩ min. 250V DC	50MΩ min. 50V DC	100MΩ min. 100V DC	
	Voltage proof	300V AC for 1min. or 360V AC for 2s	50V AC for 1min. or 60V AC for 2s	100V AC for 1min.	
Mechanical performance	Directional operating force	10±7mN·m	0.8±0.5N	1.23±0.69N	1.2±0.69N
	Push operating force	4.5±1N	2.5±1.5N	2.35±0.69N	
	Encoder detent torque	—	—	—	
	Terminal strength	—	—	—	
	Actuator strength	Push / pull directions Operating direction	100N (Push), 50N (Pull) 100N	30N (Push), 10N (Pull) 20N	— 29.4N
Environmental performance	Cold	-40°C 500h	-40°C 96h		
	Dry heat	85°C 500h	85°C 96h	90°C 96h	
	Damp heat	60°C, 90 to 95%RH 500h	60°C, 90 to 95%RH 96h		
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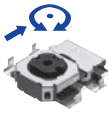
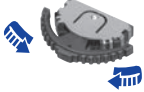




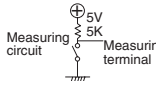
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**Note**

● Indicates applicability to all products in the series.

# Multi Control Devices

## List of Varieties

Type		Switch type		
Series		SRBE	SLLB5 Small type	SLLB
Photo				
Dimensions (typical value) (mm)	W	—	9.5	11.8
	D	—	8.8	11.4
	H	—	2.2	3
Number of operating shafts		Single-shaft		
Shaft material		Resin		
Directional resolution		—	2-direction	
Directional operating feeling (tactile feeling)		With	Without	
Lever return mechanism		Without	With	
Center-push switch		With		
Encoder		With	Without	
Operating temperature range		-10°C to +60°C		-40°C to +85°C
Operating life	Operating life without load	100,000 cycles		
	Operating life with load (at max. rated load)	—	100,000 cycles	
Automotive use		—	—	—
Life cycle (availability)				
Rating (max.) (Resistive load)		1mA 5V DC	10mA 5V DC	
Electrical performance	Output voltage	1V max. at 1mA 5V DC (Resistive load)	—	1V max. at 1mA 5V DC (Resistive load) 
	Encoder resolution	6 pluses/360°	—	
	Insulation resistance	10MΩ min. 50V DC	100MΩ min. 100V DC	
	Voltage proof	50V AC for 1min.	100V AC for 1min.	
Mechanical performance	Push operating force	—	0.65±0.3N	
	Encoder detent torque	3.5±1.5N	2.5±1N	2±1N
	Terminal strength	3±2mN·m	—	—
	Terminal strength	—	3N for 1min.	
Actuator strength	Push / pull directions Operating direction	50N		
		—	10N	
Environmental performance	Cold	-30°C 96h	-20°C 96h	-40°C 96h
	Dry heat	85°C 96h		
	Damp heat	40°C, 90 to 95%RH 96h		
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