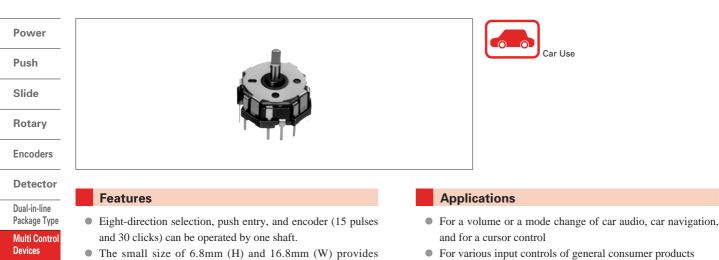
Encoder with 8-directional Switch + Center Push

RKJXT Series

A space-saving device which has eight directions/push/encoder by one axis.



- For remote controllers of the above products
- The small size of 6.8mm (H) and 16.8mm (W) provides improved flexibility in set design.
- Excellent operationality is achieved as tactile feeling is attached to an eight-directional stick switch.

Typical Specifications (Stick Switches)

Ite	ms	Specifications				
Rating (max.) (Resistive load)		10mA 5V DC				
Contact	Lever operation	1 Q max.				
resistance	Push operation	1 12 max.				
Operating force		40±25mN∙m				
Operating angle (I	ever operation)	12° max.				
Travel (Push opera	ition)	0.3±0.2mm				
Operating life	8-direction	50,000 cycles				
	Center push	Su,uuu Cycles				

Typical Specifications (Encoders)

Items	Specifications
Rating (max.) (Resistive load)	10mA 5V DC
Pulse number	15
No. of detent	30
Detent torgue	15±8mN・m
Operating life	15,000 cycles



TACT

Variable Resistor Type Switch Type

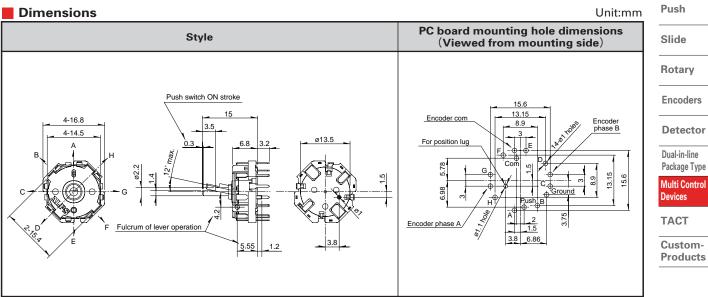
Custom-

Products

Products Line

Max	ximum resolution	Products No.	Minimum packing unit			
Direction	Encorder		(pcs.)			
8	15-pulses/30-detents	RKJXT1E12001	1,000			

Dimensions



Output relation chart between lever position and On position.

Output						P0010			P0010								
	Operation procedure																
Terminal	А	A/B	В	B/C	С	C/D	D	D/E	E	E/F	F	F/G	G	G/H	Н	H/A	Enter push
Com-A	ON	ON														ON	
Com-B		ON	ON	ON													
Com-C				ON	ON	ON											
Com-D						ON	ON	ON									
Com-E								ON	ON	ON							
Com-F										ON	ON	ON					
Com-G												ON	ON	ON			
Com-H														ON	ON	ON	
Com-Push	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

Туре

Power



Products Specifications

	Items		RKJXT RKJXM RKJXL			RKJXS	SLLB SLLB5 SLI					
	Operating temperature range			_	-30℃ to +70℃	2	–20℃ to +70℃	-10°C to +60°C +85°C				
Power	Rating (max.) (Resistive load)				10mA 5V DC							
Push		Output	t voltage					1V max. at 1mA 5V DC (Resistive load) (Resistive load) (Resistiv				
Slide	Electrical	Directiona	al resolution		8-dire	ctional						
Rotary	performance	Insulation resistance		100	MΩ min. 250\	/ DC	50MΩ min. 50V DC	100MΩ min.				
Encoders	-	Voltag	ge proof	30	00V AC for 1m	in.	50V AC for 1min.	100V DC 100V AC for 1 min.				
Detector Dual-in-line Package Type		Direction application force		40±25mN∙m	Direction A, B, C, D 30±20mN • m Direction AB, BC, CD, DA 25±20mN • m	∙ 10±7mN∙m	0.8±0.5N					
Multi Control		Push appl	ication force	4.5±2N	3±1.5N	4.5±1N	2.5±1.5N					
Devices TACT		Encoders [Detent torque	15±8mN∙m	12±8mN∙m		II					
Custom-	Mechanical	Robustnes	ss of terminal		I	I	3N for 1 min.					
Products	characteris-tics	Robustness	Pushing direction				30N	50N 30N				
		of actuator	Operating direction				20N	10N				
			Manual soldering	300	ີິ C max. 3s m	ax.	350±10℃ 3⁺₀1s	350±5℃ 3s max.				
Variable		Solder heat resistance	Dip soldering	2	260±5℃,5±1s							
Resistor Type Switch			Reflow soldering									
Туре		Vibration		4.4G fixed (fo) to 8.3Hz, cycle), 3 angles	each 2 hours 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					
			Directions	50,000	100,000 cycles		500,000					
	Endurance	Operating life	Center detent	cycles	100,000	Cycles	cycles					
			Encorder	15,000 cycles –								
		Operating life without load					100,000 cycles					
			life with load As rating)				100,000 cycles					
		Cold		_4	10±2℃ for 50	0h	$ \begin{array}{c c} -40 \pm 2^{\circ} C \text{ for} \\ 96h \end{array} \begin{array}{c} -20 \pm 2^{\circ} C \text{ for } 96h \end{array} \begin{array}{c} -40 \pm 2^{\circ} C \text{ for} \\ 96h \end{array} $					
	Environ- mental test	Long-term heat resistance		8	5±2℃ for 500	lh	85±2℃ for 96h					
			isture stance	90 to 959	%RH for 500h,	60±2℃	90 to 95%RH for 96h, 60±2°C 90 to 95%RH for 96h, 40±2°C					

Note

Shall be in accordance with individual specifications.

