

Switch Type Multi Control Device > RKJXT1F Series > RKJXT1F42001

Series Common Info

4-directional Stick Switch (with Encoder + Center-push Function) RKJXT1F Series

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PRINT

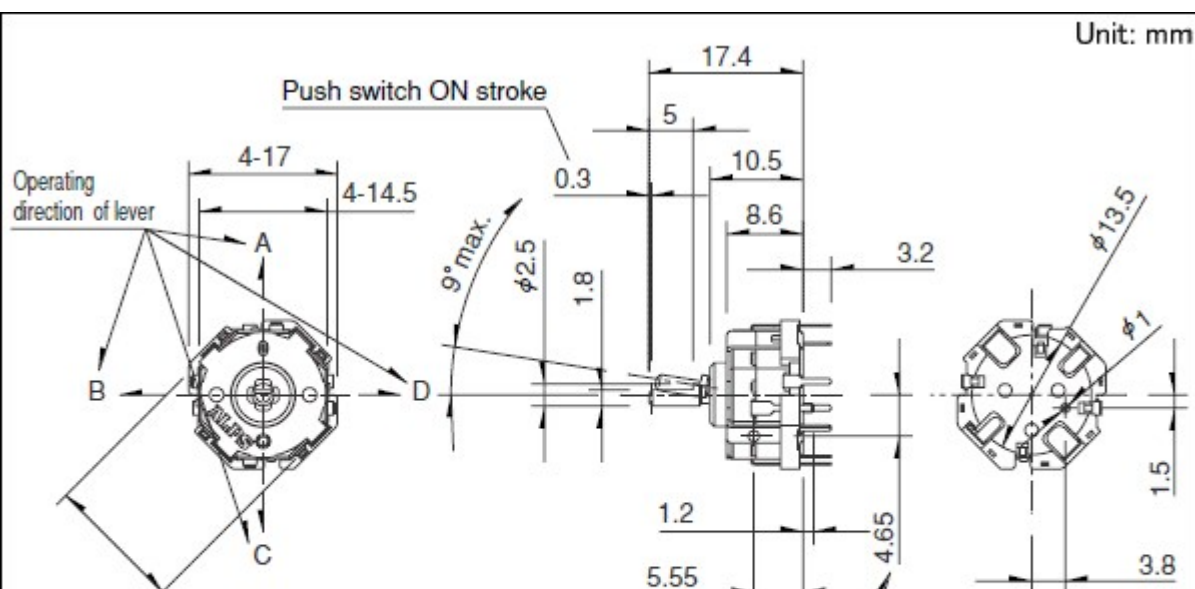
Part number		RKJXT1F42001	
Number of operating shafts		Single-shaft	
Shaft material		Metal	
Stick switches	Contact resistance	4-direction & Center push	1Ω max.
	Operating angle (4-direction)		9° max.
	Travel (Center push)		0.3±0.2mm
Encoder	Number of detent		30
	Number of pulse		15
Operating temperature range		-40℃ to +85℃	
Ratings (max.) (Resistive load)		10mA 5V DC	
Electrical performance	Directional resolution		4-direction
	Encoder resolution		15pulses / 360°
	Insulation resistance		100MΩ min. 250V DC
	Voltage proof		300V AC for 1 minute or 360V AC for 2s
Mechanical performance	Directional operating force		40±25mN·m
	Push operating force		5±2N
	Encoders detent torque		15±8mN·m
	Terminal strength		5N for 1 minute
	Actuator strength	Push/pull directions	100N (Push/Pull)
		Operating direction	0.4N·m

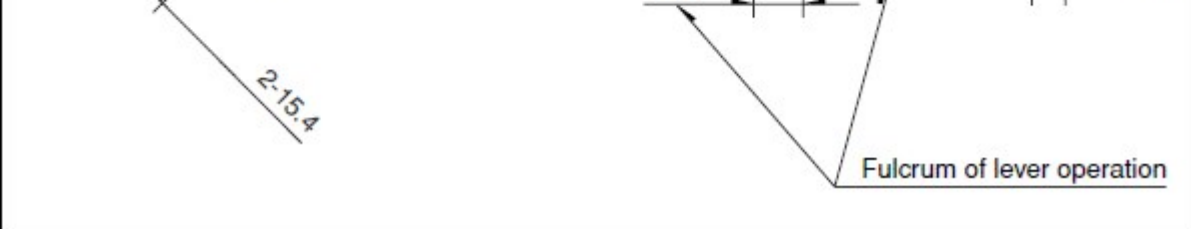
Durability	Operating life	Directions	Total with 4-direction 50,000 cycles
		Center push	50,000 cycles
		Encoder	15,000 cycles
Environmental performance	Cold	$-40\pm 2^{\circ}\text{C}$ for 500h	
	Dry heat	$85\pm 2^{\circ}\text{C}$ for 500h	
	Damp heat	$60\pm 2^{\circ}\text{C}$, 90 to 95%RH for 500h	
Minimum order unit (pcs.)	Japan	1,320	
	Export	2,640	
3D CAD (STEP)			↓
Certificate of Compliance to RoHS regulations			↓

Photo



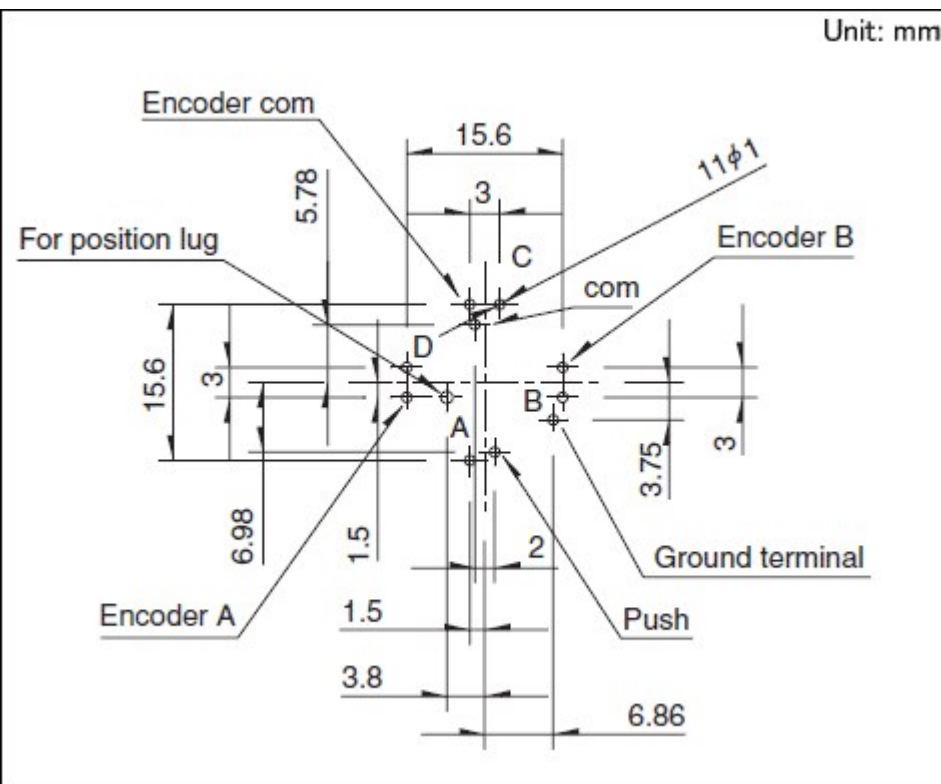
Dimensions





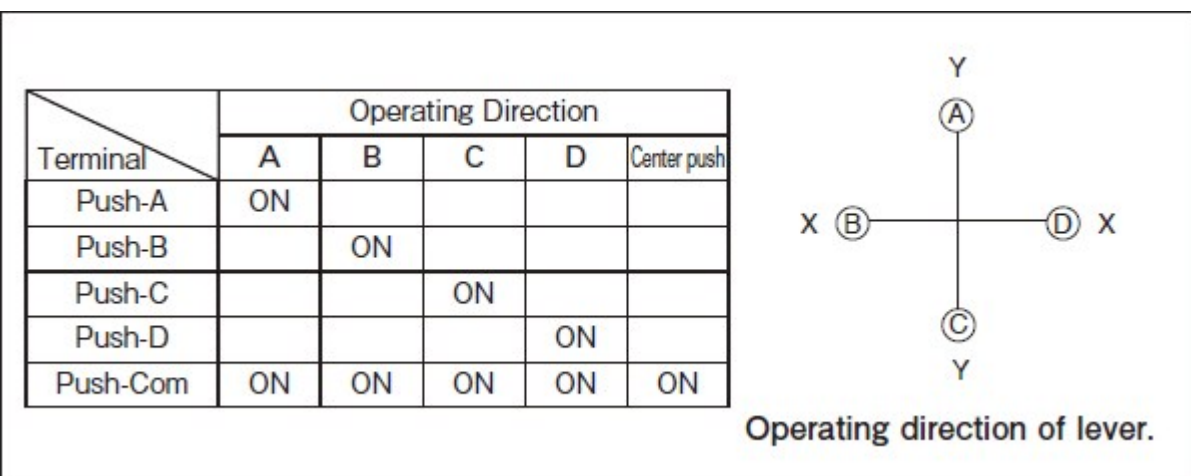
Viewed from mounting side.

Mounting Hole Dimensions

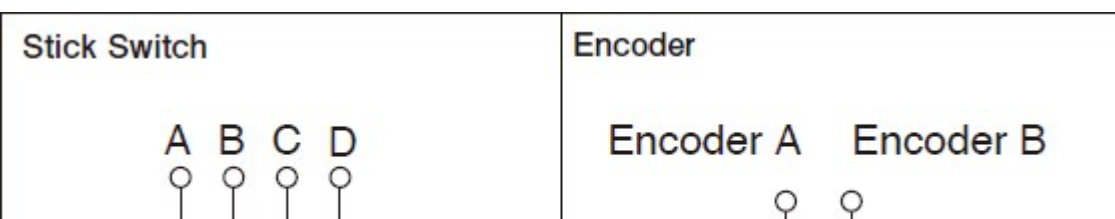


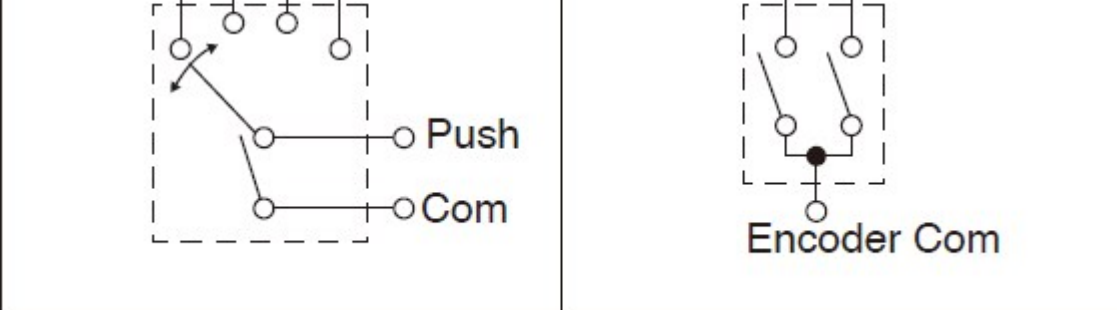
Output Relation Chart Between Lever Position and On Position

Output Relation Chart Between Lever Position and On Position

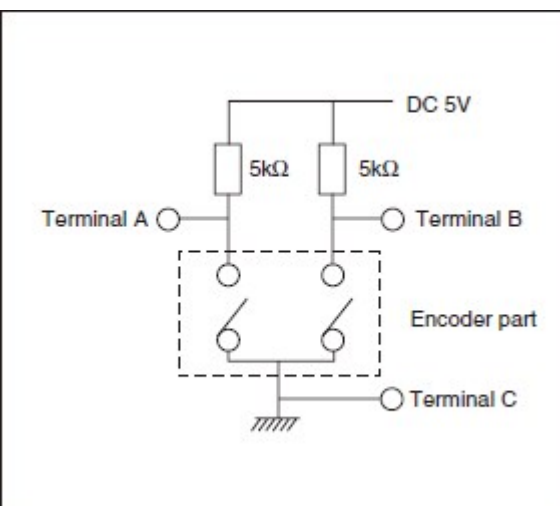


Circuit Diagram

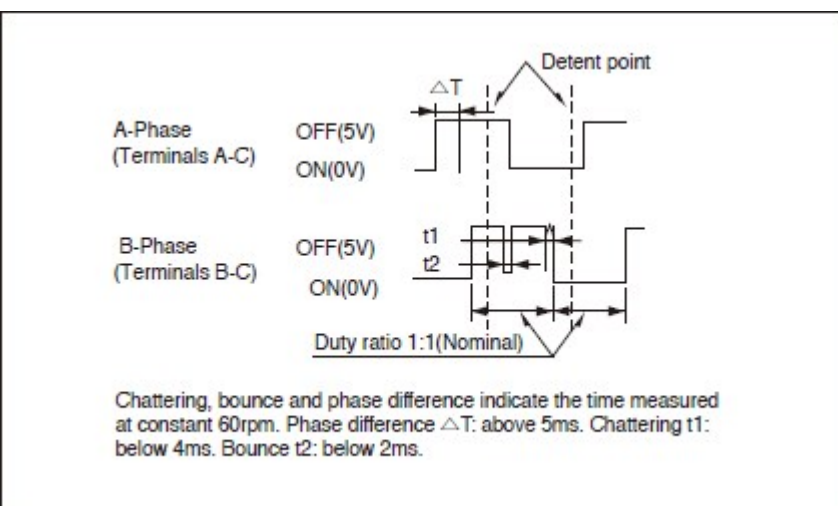




Test circuit (Encoder)



Output Signal (Encoder)



Packing Specifications

Tray

Number of packages 1 case / Japan 1,320
(pcs.)

1 case / export packing 2,640

Export package measurements (mm) 555×375×333

Soldering Condition

Reference for Dip Soldering

Preheating	Soldering surface temperature	100℃ max.
	Heating time	2 min. max.
Dip soldering	Soldering temperature	260±5℃
	Soldering time	5±1s
No. of solders		2 time max.

Reference for Hand Soldering

Tip temperature	350±5℃
Soldering time	3s max.
No. of solders	1 time

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. This products can be used in vehicles.
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

Inquiries about Products

 **Inquiry**