Firm operating feel and high robustness ideal for integrated control of automotive equipment









Ite	ms	Specification					
Rating(max.)(Res	istive load)	10mA 5V DC					
Contact resistance	8-direction Center-push	lkΩ max.					
Travel	8-direction	2±0.8mm					
rraver	Center-push	1.4±0.5mm					
Operating life	8-direction	Total with 8-direction 30,000 cycles					
	Center-push	30,000 cycles					

■ Typical Specifications (Encoder)

Items	Specification		
Rating(max.) (Resistive load)	10mA 5V DC		
Operating life	30,000 cycles		

Product Line

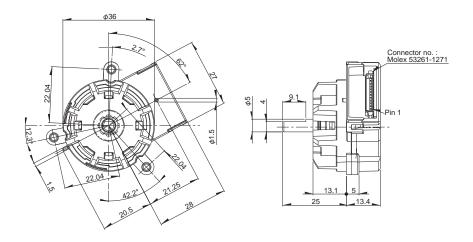
Product No.	Stick Switch			Encoders			Minimum order unit	
	Maximum resolution	Operating force		Lilcodeis			(pcs.)	
		Direction	Center Push	Detent torque	Number of detent	Number of pulse	Japan	Export
RKJXW1014002	8	2.5±1.5N	3±1.5N	30±20mN·m	30	15	100	100

Packing Specifications

Number of page	Export package		
1 case / Japan	measurements (mm)		
100	100	360×270×230	

Dimensions Unit:mm

Style





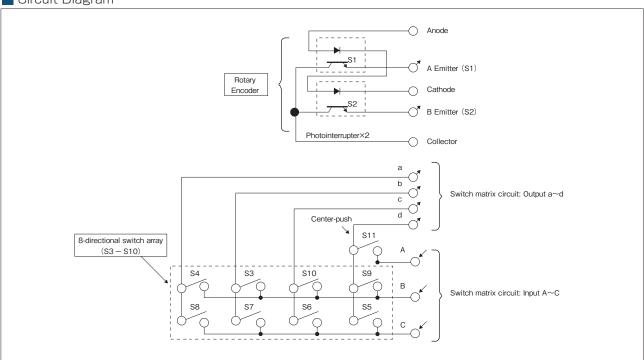




8-directional Stick Switch/Specifications

Circuit Diagram/Output Relation Chart/Pin Configuration/8 Direction Codes

Circuit Diagram



Output Relation Chart

			Switch No.							
		S3	S4	S5	S6	S7	S8	S9	S10	
Direction	А	ON	ON	(ON)					(ON)	
	В	(ON)	ON	ON	(ON)					
	С		(ON)	ON	ON	(ON)				
	D			(ON)	ON	ON	(ON)			
	Е				(ON)	ON	ON	(ON)		
	F					(ON)	ON	ON	(ON)	
	G	(ON)					(ON)	ON	ON	
	Н	ON	(ON)					(ON)	ON	

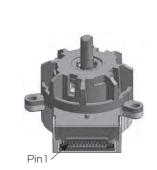
""(ON)"" indicates that the switch is either On or Off at the time of the

Discern the direction of operation when two switches are On. Ignore any additional switches which may be switched On. Example:

Operation in direction A
1st signal: S4 On > Standby
2nd signal: S3 On > Discern as direction A

3rd signal: S10 On > Ignore this signal (discern as direction A) 4th signal: S5 On > Ignore this signal (discern as direction A)

Pin Configuration

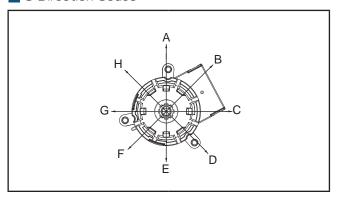


Pin No.

- 1 Photointerrupter Anode
- 2 Photointerrupter Cathode
- 3 Output d (S11, S9, S5)
- 4 Input A (S11)

- 5 Output a (\$4, \$8) 6 Output b (\$3, \$7) 7 Input B (\$4, \$3, \$10, \$9) 8 Input C (\$8, \$7, \$6, \$5)
- 9 Output c (S10, S6)
- 10 Photointerrupter A Emitter (S1)
- 1 1 Photointerrupter B Emitter (S2)
- 12 Photointerrupter Collector

8 Direction Codes





Type		Switch type								
S	Series		RKJXT1F	RKJXM	RKJXW	RKJXL				
Photo			co.		麥					
	W		17	11	36	10				
Dimension (mm)	is	D	- 17	11	48.5	- 13				
	Н		10.5	6.6	26.5	6.4				
Shaf	t materia	al		Metal						
	nal resol		4-direction		8-direction					
Directional (tact	operating tile feeling			With		Without				
· · · · · · · · · · · · · · · · · · ·	urn mecha			W	ith					
Center-	push sw	ritch		With						
E	ncoder		With	Without	With	Without				
Operating t	emperature	e range		-40℃ to +85℃		-30℃ to +70℃				
	Directional	operation	Total with 4-direction 50,000 cycles	Total with 8-direction	30,000 cycles for each direction	8 directions total: 100,000 cycles				
Operating life	Center	-push		100,000 cycles	30,000 cycles	100,000 cycles				
	Enco	oder	15,000 cycles	- 30,000 cycles		_				
Autor	notive us	se	•	•	•	•				
Life cycl	e (availal	bility)	* 2	★ 2		* 2				
Rating (max	x.) (Resistiv	re load)								
	Output v	voltage	_			_				
Electrical	Encoder resolution		15pulses/360°	_	- 15pulses/360°					
performance	Insulation resistance									
	Voltage proof		250V AC for 1min.		360V AC for 2s	300V AC for 1min. or 360V AC for 2s				
	Directional operating force		40±25mN·m	Direction A, B, C, D 30±20mN·m	2.5±1.5N	10±7mN·m				
-			25±20mN·m							
Mechanical performance	Push operating force		5±2N		1.5N	4.5±1N				
22	Encoder detent torque		15±8mN⋅m —		30±20mN·m	_				
	Terminal strength Push / pull		5N for 1min.		100N (Duch)	100N (Duch) F0N (Dull)				
	Actuator strength	directions Operating	100N (Push/Pull)	0.3N·m	100N (Push) 50N	100N (Push), 50N (Pull)				
	direction		0.4N·m	100N						
Environmental	Cold		-40°C 500h 85°C 500h							
performance _	Dry heat Damp heat		85 C 500h 60°C, 90 to 95%RH 500h							
	Page	neat	398	400	402	404				

Note

• Indicates applicability to all products in the series.



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RKJXS1004001 RKJXT1F42001 RKJXV1224005 RKJXY100000A SKRHAAE010 SKRHABE010 SKRHACE010 SKRHADE010

SLLB120100 SLLB120200 SLLB120300 SLLB510100 SLLB510200 SLLB520100 SRBE110301 SRBE210200 AMPTFP2VTR D16202

PHAP4383V 3302 7G5002C0003 QSA2S3.5NH3G7 K1-1508SA-03 PLJG2-G-V-T/R PLMG5-GH-V-T/R RKJXU1210006 SKRHADE011

2200-000301 RKJXM1015004 RKJXV1220001 SLLB310300 SLLB310500 SLLB520200