

Power Switch

Rotary Type Power Switch with Encoder

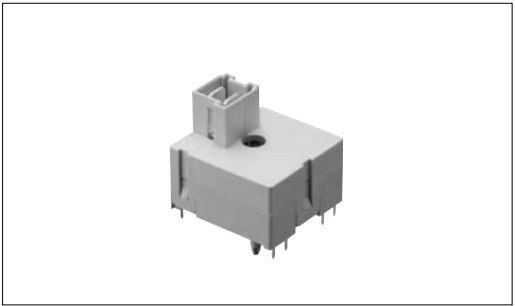
SDKZ Series

www.DataSheet4U.com



Rotary type power switch with encoder.

Detector
Push
Slide
Rotary
Encoders
Power
Dual-in-line Package Type
TACT Switch™
Custom- Products
Push Type
Rocker Type
Slide Type
Rotary Type



Ratings and Safety Standards

Items	Specifications
Max rating (Power)	16(6)A 250V AC 14(6)A 250V AC
Max rating (Encoder)	0.1A 12V DC
Contact resistance (Encoder) initial/after life test	1Ω max./1Ω max.
Operating (Power)	10,000cycles
Operating life(Encoder)	30,000cycles

Product Line

Circuit arrangement	Torque		Operating direction	Positions	Mounting method	Terminal style	Minimum order unit (pcs.)	Product No.	Drawing No.
	From "OFF" position on to "ON" position	Other positions							
DPST	14±3N	10±3N	Vertical	15	For PC board	straight	288	SDKZ1F0200	1
	12±3N	6±3N		16				SDKZ1G0200	
	14±3N	7.5±3N		19				SDKZ1K0200	2
		10±3N		21				SDKZ1M0200	
		7.5±3N		24				SDKZ1Q0200	
		10±3N		25				SDKZ1R0200	

Note

Please place purchase orders per minimum order unit(integer).

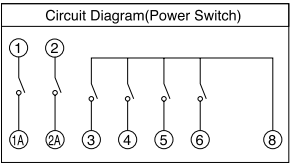
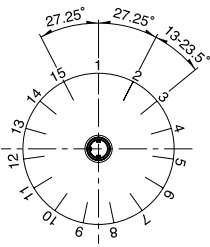
Unit:mm

Push Type
Rocker Type
Slide Type
Rotary Type

Standard Code

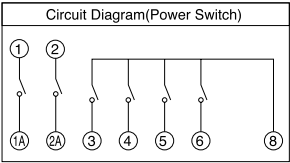
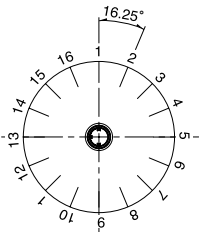
SDKZ1F0100

Unit:mm



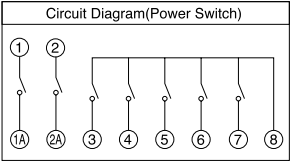
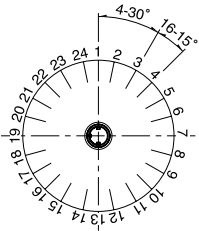
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POS	TERM															
Power contacts1-2																
Condification contact3																
Condification contact4																
Condification contact5																
Condification contact6																

SDKZ1G0100



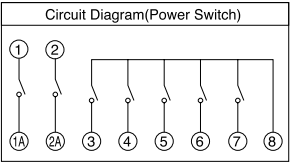
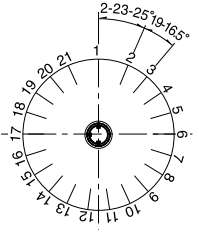
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Power contacts1-2																	
Condification contact3																	
Condification contact4																	
Condification contact5																	
Condification contact6																	

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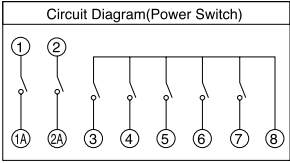
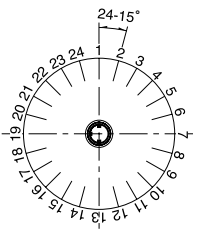
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POS	TERM																								
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Condification contact6																									
Condification contact7																									

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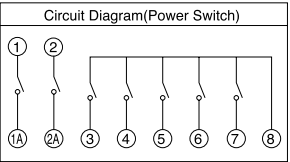
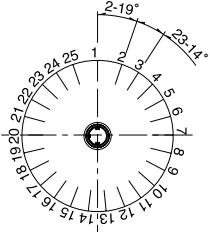
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SDKZ1Q0100



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SDKZ1R0100



CODE																										
POS	TERM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Power contacts1-2		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Condification contact3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Condification contact4			○	○						○	○	○	○	○				○	○				○	○	○
	Condification contact5	○					○	○	○	○	○	○										○	○	○	○	○
	Condification contact6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Condification contact7	○	○	○						○	○				○	○				○	○	○	○			○

List of Varieties

Items	Type		Slide				Rotary
	Series		SDKG	SDKH	SDKP	SDKT	SDKZ
Detector	Photo						
Push	Travel (mm)		6			2.2	Full rotation
Slide	Remark						With signal circuit
Rotary	Operating temperature range		-10°C to +60°C				-10°C to +70°C
Encoders	Rating		5A 250V AC			6A 125V AC	PS:16(6)A 250V AC,14(6)A 250V AC DC:0.1A 12V DC
Power	Electrical performance	Contact resistance	50mΩ max.	100mΩ max.		10mΩ max.	100mΩ max. 1Ω max.
Dual-in-line Package Type		Insulation resistance	500MΩ min. 500V DC	100MΩ min. 500V DC	500MΩ min. 500V DC	1,000MΩ min. 500V DC	500MΩ min. 500V DC 100MΩ min. 100V DC
TACT Switch™		Voltage proof	2,000V AC for 1minute			1,000V AC for 1minute	2,000V AC for 1minute 100V AC for 1minute
Custom-Products		Terminal strength	10N for 1minute				20N 5N
Push Type	Mechanical performance	Actuator strength	Operating direction		50N	30N	—
Rocker Type			Perpendicular direction		—	10N	30N
Slide Type		Resistance to soldering heat	Manual soldering				350±10°C, 3 ⁺¹ / ₋₀ s
Rotary Type			Dip soldering				260±5°C, 10±1s
	Durability	Operating life	100cycles			20,000cycles	10,000cycles 30,000cycles
			Without load			Load : As ratings	
	Environmental performance	Cold	-20±2°C for 96h				-40±2°C for 240h
		Dry heat	85±2°C for 96h				85±2°C for 240h
		Damp heat	40±2°C, 90 to 95%RH for 96h				40±2°C, 90 to 95%RH for 240h
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