

Product Specification

Number: L-KLS4-WH116AK-1-B5K-L21

Name: Rotary Potentiometer

Customer: _____

Date: 2025-01-15

Customer Signature:



NINGBO KLS ELECTRONIC CO; LTD

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**ADD : NO. 8-1, RONGXIA RD. XIAPU SHANQIAN
INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.**

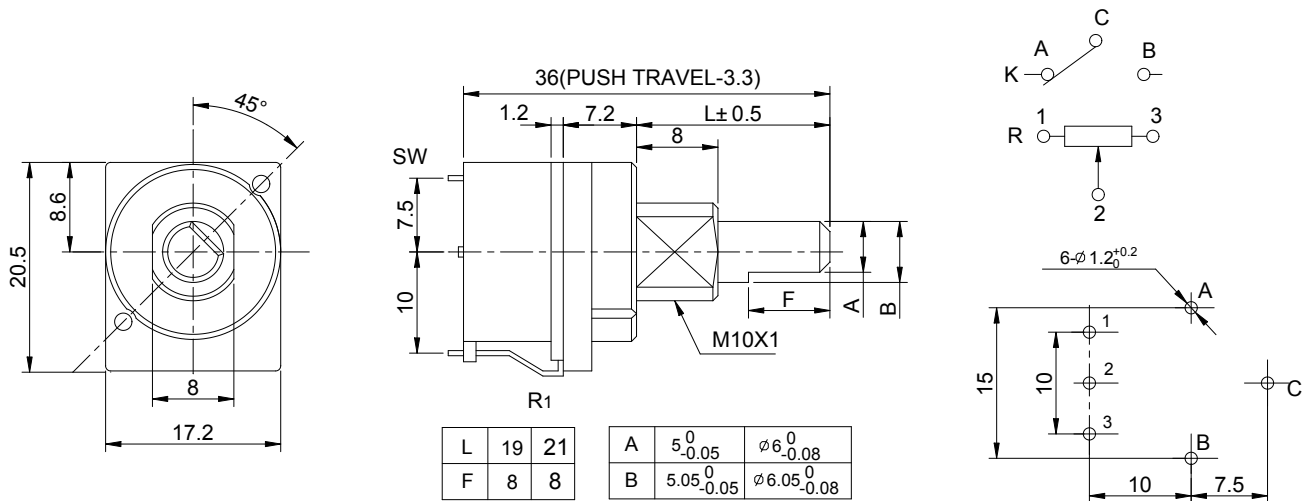
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Part name	Rotary Potentiometer	Date	2025-01-15
Part number	L-KLS4-WH116AK-1-B5K-L21	Edition	V1
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FEATURES

- VDE,NEMKO ,CB RECOGNIZED
- Conforms to 1058-1/EN61058-1 (VDE0630) standard
- High reliability, long life, big switch capacity type
- Form C (SPDT-NO) Contact
- Glass fiber-filled flame-retardant polymer
- Special silver alloy contact
- Solder terminal
- Used for lighting fixture, dimmer, etc

OUTLINE DRAWING AND MOUNTING HOLE DETAIL



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CHARACTERISTICS

1-Carbon plate

Resistance range	1K Ω ~ 2M Ω
Rated power (50℃)	B:0.2W; A, C:0.05W
Maximum Resistance	$\pm 20\%$
Maximum working voltage	AC250V
Taper	A,B,C

2-General

Insulation resistance	Min.100M Ω at DC500V
Dielectric strength	AC750V 1minute (between open contacts)
	AC1500V 1minute (between carbon and contacts)
Total Rotation Angle	270° $\pm 5^\circ$
Rotational noise	≤ 47 mv
Residual resistance	$\leq 1\%R$
Rotation Torque	1~10mN.m
Shaft stop strength	3Kgf.cm
Switch working stroke	(3 ± 0.5)mm
Switch working force	50~300gf.cm
Temperature Range	-25℃~105℃ (at normal voltage)
Click position	0/15/27/36detents
Welding tin temperature	温度 T $\leq 260^\circ\text{C}$: 时间 t ≤ 10 s

3-Contact

Arrangement	form C (SPDT-NO)
Material	Special silver alloy
Type	Double type
Resistance (initial)	Max.50m Ω (at DC6V 1A)

4-Switch contact ratings (Resistive)

Nominal load	10AAC250V or DC24V
Max. Switching Power	2,500W
Max. Switching Voltage	AC250V,DC150V
Max. Switching Current	10A
Max. Carrying Current	15A
Min. Switching Load	DC5V, 100mA

5-Durability

Mechanical life	50,000 operations (10~17 times/minute)
Electrical life	30,000 operations (10~17 times/minute)

6-Withstand vibration property

Misoperation	10 to 55 Hz Double amplitude of 3.3mm
Endurance	10 to 55 Hz Double amplitude of 3.3mm

7-Shock Resistance

Misoperation	100m/ s ² (11 ± 1 ms)
Endurance	500m/ s ² (6 ± 1 ms)