

# 16mm Metal Shaft Rotary Potentiometer – With Switch

**S16KN1**

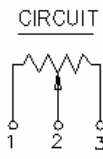
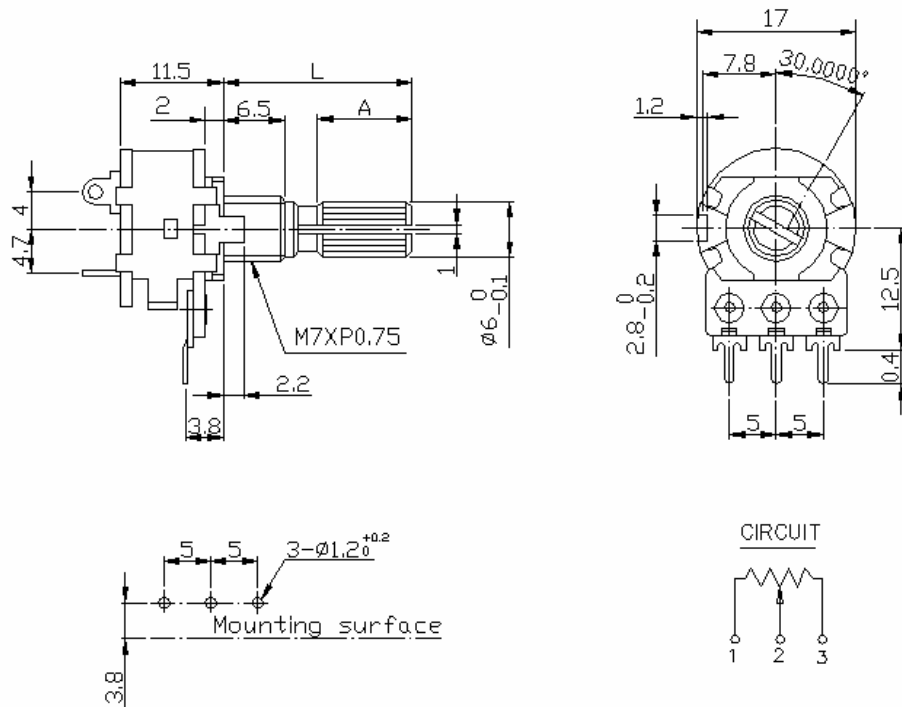


**Part Number**

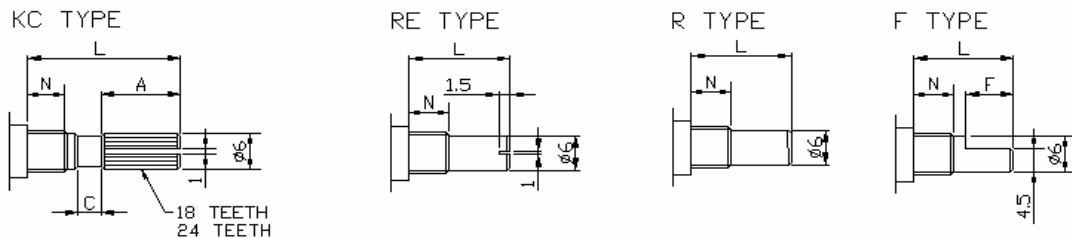
**S16KN1 - B 50K, L - 20 KC**

↓ Taper    ↓ Resistance Value    ↓ Shaft Length    ↓ Shaft Type

**Dimensions**



**Shaft Type**



Ni6.5m/m

SHAFT-TYPE	L	10	15	20	25	30	35	40
KC	A	2.2	6	10	12	12	12	12
	C	0.5	1	2	2	4	4	4
F	F	2.5	7	12	12	12	12	12
R,RE	L	10	15	20	25	30	35	40

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## Electrical Characteristics

Total Resistance	500 $\Omega$ ~ 2M $\Omega$				
Total Resistance Tolerance	$\pm 20\%$ (More than 1M $\Omega \pm 30\%$ )				
Resistance Taper	A. B. C. D. W. Taper				
Resistance Taper Characteristics	A50%	B50%	C50%	D50%	W50%
	15-25%	40-60%	75-85%	2-15%	45-55%
Rated Power	B Taper: 0.2 W; Other Tapers: 0.1 W				
Max. Operating Voltage	B Taper: AC200V; Other Tapers: AC150V				
Residual Resistance	R $\geq$ 250K $\Omega$ 0.1%				
	250K $\Omega$ > R > 10K $\Omega$		10 $\Omega$ Max. ( between Term. 1, 2)		
	10K $\Omega$ $\geq$ R		10 $\Omega$ Max. ( between Term. 2, 3)		
Noise	47 mV max.				
Insulation Resistance	DC 500V 100M $\Omega$				
Withstand Voltage	1 minute AC 500V				
Rotational Life	15,000 Cycles				
Switch Life	10,000 Cycles				

## Mechanical Characteristics

Total Rotational Angle	300° $\pm$ 5°
Rotational Torque	30~200gf.cm
Pull-Push Strength	7 kgf.cm max./3 minute.
Center Click Torque	150~350g.cm
Switch Circuit	S.P.S.T
Switch contact resistance	Less than 0.5m $\Omega$
Solder Heat Resistance	300°C, 3s (Only For Hand-Soldering)
Remark	Shaft: Cast Iron (Aluminum Zinc)
	Bushing Material: cast iron