

# Klixon® KX Series Sine Switch Performance Characteristics

	<b>Resilient Standard Temp.</b>	<b>Hermetic Standard Temp.</b>	<b>Hermetic High Temp.</b>
	<b>KX4-1-1 KX4-1-2</b>	<b>KX5-1-1 KX5-1-2</b>	<b>KX5-2-1 KX5-2-2</b>
<b>Actuating Force</b>	8 - 24 oz.	8 - 24 oz.	16 - 48 oz.
<b>Release Force</b>	3.0 oz. min.	3.0 oz. min.	3.0 oz. min.
<b>Pretravel</b>	0.025" max.	0.025" max.	0.035" max.
<b>Movement Differential</b>	0.020" max.	0.020" max.	0.024" max.
<b>Overtravell</b>	0.015" max.	0.015" max.	0.015" max.
<b>Positive, Overtravel Stop</b>	Yes	Yes	Yes
<b>Max. Allowable Force on Actuator</b>	25 lbs. max.	25 lbs. max.	25 lbs. max.
<b>Ambient Temperature Range</b>	-65°F to +160°F (-53.8°C to +71.1°C)	-65°F to +275°F (-53.8°C to +135°C)	-65°F to +375°F (-53.8°C to +190.5°C)
<b>Current Rating</b> 28 VDC 110 VAC, 60-400Hz	Res Ind. Lamp 10 5 3 10 5 3	Res Ind. Lamp 10 5 3 10 5 3	Res Ind. Lamp 5 3 2 5 3 2
<b>Life at Rated Load</b>	25,000 cycles	25,000 cycles	25,000 cycles
<b>Vibration Resistance</b> MIL-STD-202, test condition D	20 G	20 G	20 G
<b>Shock Resistance</b> ½ sine wave, 11ms duration	100 G w/o damage	100 G w/o damage	100 G w/o damage
<b>Dielectric Strength</b>	1250 VRMS	1250 VRMS	1250 VRMS
<b>Contact Arrangement</b>	SPDT	SPDT	SPDT
<b>Backfill</b>	n/a	Dry nitrogen	Dry nitrogen
<b>Seal</b> MIL-S-8805	Enclosure 4, *Resilient	Enclosure 5, **Hermetic	Enclosure 5, **Hermetic
<b>Weight</b>	1.0 oz. max.	1.1 oz. max.	1.2 oz. max.
	<b>KX4-1-1 KX4-1-2</b>	<b>KX5-1-1 KX5-1-2</b>	<b>KX5-2-1 KX5-2-2</b>
	<b>Resilient Standard Temp.</b>	<b>Hermetic Standard Temp.</b>	<b>Hermetic High Temp.</b>