

Klixon® KX Series Sine Switch Performance Characteristics

	Resilient Standard Temp.	Hermetic Standard Temp.	Hermetic High Temp.
	KX4-1-1 KX4-1-2	KX5-1-1 KX5-1-2	KX5-2-1 KX5-2-2
Actuating Force	8 - 24 oz.	8 - 24 oz.	16 - 48 oz.
Release Force	3.0 oz. min.	3.0 oz. min.	3.0 oz. min.
Pretravel	0.025" max.	0.025" max.	0.035" max.
Movement Differential	0.020" max.	0.020" max.	0.024" max.
Overtravell	0.015" max.	0.015" max.	0.015" max.
Positive, Overtravel Stop	Yes	Yes	Yes
Max. Allowable Force on Actuator	25 lbs. max.	25 lbs. max.	25 lbs. max.
Ambient Temperature Range	-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)
Current Rating 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
Life at Rated Load	25,000 cycles	25,000 cycles	25,000 cycles
Vibration Resistance MIL-STD-202, test condition D	20 G	20 G	20 G
Shock Resistance ½ sine wave, 11ms duration	100 G w/o damage	100 G w/o damage	100 G w/o damage
Dielectric Strength	1250 VRMS	1250 VRMS	1250 VRMS
Contact Arrangement	SPDT	SPDT	SPDT
Backfill	n/a	Dry nitrogen	Dry nitrogen
Seal MIL-S-8805	Enclosure 4, *Resilient	Enclosure 5, **Hermetic	Enclosure 5, **Hermetic
Weight	1.0 oz. max.	1.1 oz. max.	1.2 oz. max.
	KX4-1-1 KX4-1-2	KX5-1-1 KX5-1-2	KX5-2-1 KX5-2-2
	Resilient Standard Temp.	Hermetic Standard Temp.	Hermetic High Temp.