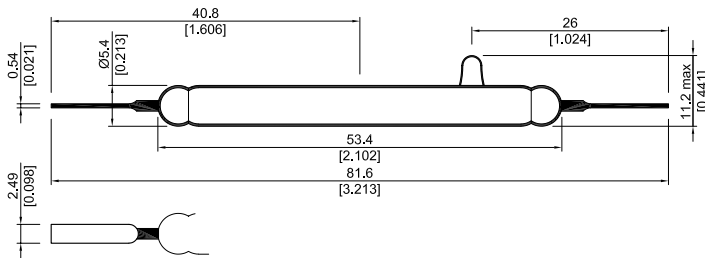


DIMENSIONS

All dimensions in
mm [inches]

CHARACTERISTICS

- Glass length of 53.4 mm and diameter of 5.4 mm
- Normally open 1 Form A contact
- 7.5 kVDC switching voltage
- 3.0 Amp switching current

CONTACT DATA

All data at 20 °C	Switch Model --> Contact Form -->	KSK-1A83-... Form A			
Contact Ratings	Conditions	Min.	Typ.	Max.	Units
Contact Rating *	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching Voltage	DC or peak AC			7.5	kV
Switching Current	DC or peak AC			3.0	A
Carry Current	DC or peak AC			5.0	A
Static Contact Resistance	w/ 0.5V & 10mA			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5V & 50mA 1.5 ms after closure			250	mΩ
Insulation Resistance across Contacts	100 Volts applied	10 ⁹			Ω
Breakdown Voltage	Voltage applied for 60 sec. min.	10			kVDC
Operate Time, incl. Bounce	Measured w/ 100% overdrive			3.0	ms
Release Time	Measured w/ no coil suppression			1.5	ms
Capacitance	@ 10kHz across contact		0.8		pF
Test Coil **		KMS-04			
Standard AT range		100		150	AT
Environmental Data					
Shock Resistance	1/2 sine wave duration 11ms			50	g
Vibration Resistance	From 10 - 2000 Hz			20	g
Ambient Temperature	10 °C/ minute max. allowable	-20		130	°C
Storage Temperature	10 °C/ minute max. allowable	-55		130	°C
Soldering Temperature	5 sec. dwell			260	°C
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch.					
* For life expectancy see our life test section located on page 151.					
** See our test coil section located on page 157.					

ORDER INFORMATION

SERIES	CONTACT FORM	SWITCH MODEL	AT RANGE (between)
KSK -	1A	83 -	XXXXXX
OPTIONS			100 150

Part Number Example - KSK - 1A83 - 100110

100110 is the AT range (Any AT can be ordered between 100 & 150 in a minimum range of 10 AT)