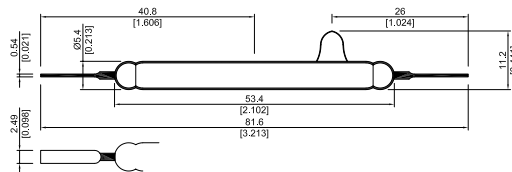


## DIMENSIONS

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
Switching Power*	Any DC combination of V and 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	at 0.5 V & 10 mA			150	mΩ
Dynamic Contact Resistance	measured w/ 0.5 V & 50 mA, 1.5 ms after closure			250	mΩ
Insulation Resistance cross Contacts	100 Volts applied	10 <sup>9</sup>			Ω
Breakdown Voltage	> 60 sec.	10			kVDC
Operate Time incl. Bounce	100 % overdrive			3.0	ms
Release Time	measured with/ no coil suppression			1.5	ms
Capacitance	at 10 kHz across contact		0.8		pF
Test Coil		KMS-04			
Standard AT range		100		150	AT
<b>Environmental Data</b>					
Shock Resistance	1/2 sine wave for 11 ms			50	g
Vibration Resistance	10 - 2000 Hz			20	g
Ambient Temperature	max. 10 °C / minute allowance	-20		130	°C
Stock Temperature	max. 10 °C / minute allowance	-55		130	°C
Soldering Temperature	5 sec. dwell			260	°C
Note: The indicated electric data are maximum values can vary downwards when using a more sensitive switch. * For life expectancy, please see the "Life Requirements" section.					

## ORDER INFORMATION

Series	Contact Form	Switch Model	AT Range (between)
KSK -	1A	83 -	xxxx
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)

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