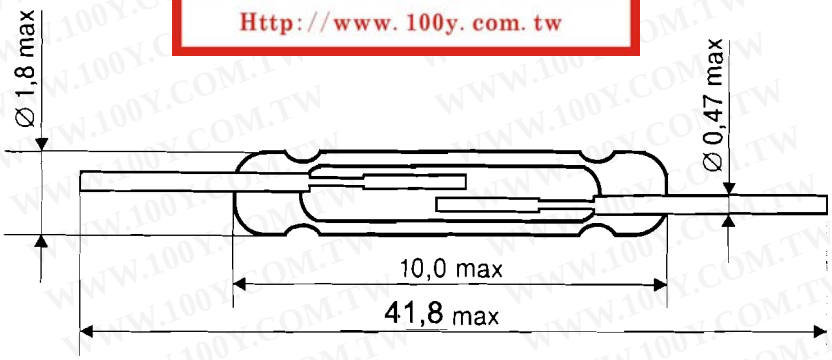
SPECIFICATIONS FOR MKA-10110



Dimension unit: mm

CONTACT FORM	1A
CONTACT MATERIAL	Ru
MAXIMUM SWITCHING POWER , W	10
MAXIMUM SWITCHING VOLTAGE , V	100
MAXIMUM SWITCHING CURRENT, A	0,5
PULL IN , AT	10-35
DROP OUT, AT min.	4
CONTACT RESISTANCE, Ohm max.	0,1
BREAKDOWN VOLTAGE, V dc min.	150
INSULATION RESISTANCE, Ohm min.	$1 \cdot 10^9$
OPERATE TIME, ms max.	0,5
RELEASE TIME, ms max.	0,3
CAPACITANCE, pF max.	0,5
RESONANT FREQUENCY, Hz min.	5000
OPERATE TEMPERATURE RANGE, ° C	-60...+125
HIGH HUMIDITY at T=35° C, % max.	98
Test coil: Number of turns Resistance, Ohm	 5000 580
UL file #	E229065

Customized switches are available upon request:
- with close PI values;
- with cut, bent leads.

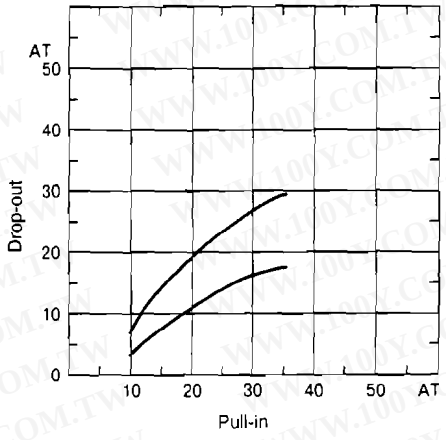
Life expectancy and reliability
Test modes:
24V-250mA-$1x10^5$ operations min. at operation frequency of 50 Hz with failure rate $3,3x10^{-7}$ oper $^{-1}$. min., confidence level of 60%.
5V-10mA-$5x10^6$ operations min. at operation frequency of 100 Hz with failure rate $6,7x10^{-9}$ oper $^{-1}$. min., confidence level of 60%.
50mV-5μA-$5x10^6$ operations min. at operation frequency of 100 Hz with failure rate $6,7x10^{-9}$ oper $^{-1}$. min., confidence level of 60%.
These data are valid for a coil energized at 1.5 times stated max. operate value.

Shock
Reed switches are immune to mechanical shocks with peak shock acceleration of 150 g and impulse duration of 1 ms.
Vibration
Reed switches are immune to sinusoidal vibration at 1-2000 Hz and acceleration amplitude of 10 g.

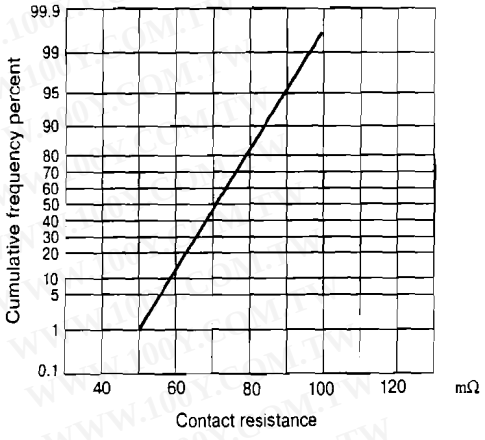
MKA-10110

ELECTRICAL CHARACTERISTICS

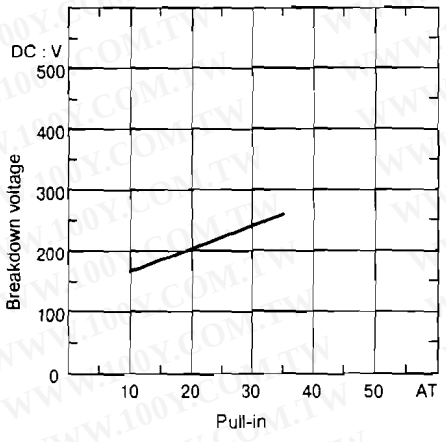
(1) Drop-out vs. Pull-in



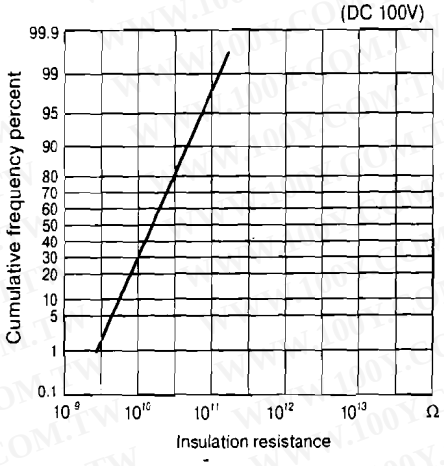
(2) Contact resistance



(3) Breakdown voltage



(4) Insulation resistance



MECHANICAL CHARACTERISTICS

(5) Lead tensile strength