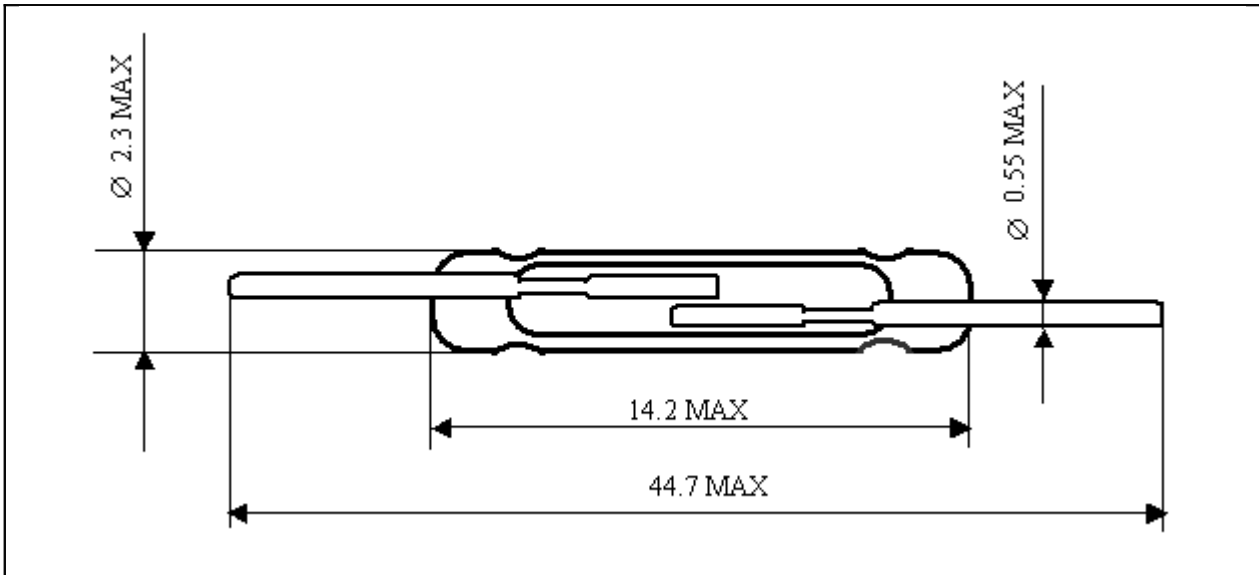


Specifications for MKA-14103



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.	5
Contact resistance, Ohm max.	0,1
Breakdown voltage, V dc min.	220 AT \leq 25
	250 AT $>$ 25
Insulation resistance, Ohm min.	1 \cdot 10 ¹⁰
Operate time, ms max.	1,0
Release time, ms max.	0,4
Capacitance, pF max.	0,7
Resonant frequency, Hz min.	4000
Operate temperature range, ° C	-60 +155
High humidity at T=35° C, % max.	98
Operation frequency, Hz max.	100
Test coil:	
Number of turns	5000
Resistance, Ohm	870
UL file#	E229065

Customized switches are available upon request:

- with close PI values;
- with cut, bent, flat leads;

Life expectancy and reliability

Test modes:

5V-10mA- 1×10^8 operations min. at operation frequency of 100 Hz with failure rate $3,3 \times 10^{-10}$ oper⁻¹. min., confidence level of 60%.

24V-400mA- 1×10^5 operations min. at operation frequency of 50 Hz with failure rate $3,3 \times 10^{-7}$ 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.

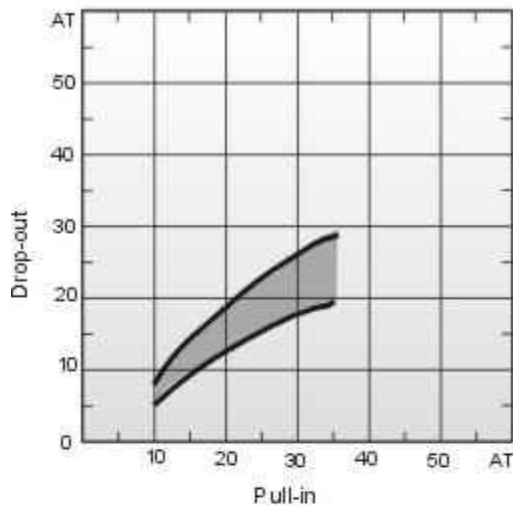
Vibration

Reed switches are immune to sinusoidal vibration at 1-2000 Hz and acceleration amplitude of 20 g.

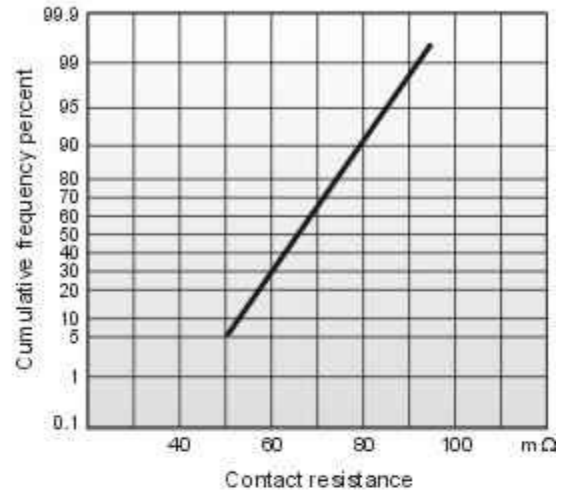
MKA-14103

ELECTRICAL CHARACTERISTICS

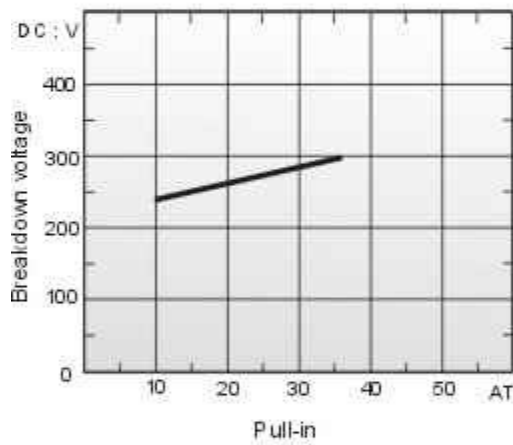
(1) Drop-out vs. Pull-in



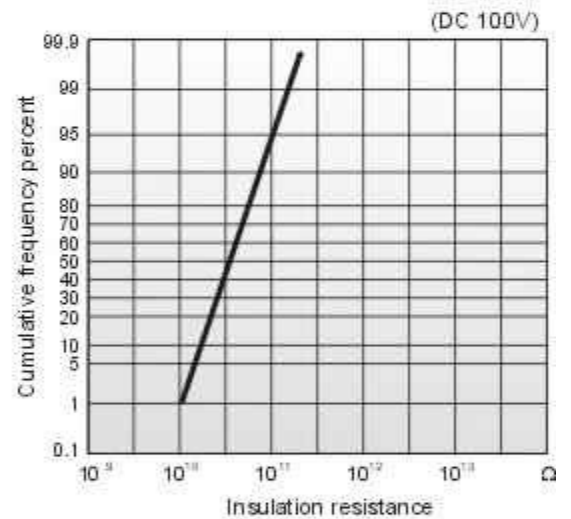
(2) Contact resistance



(3) Breakdown voltage



(4) Insulation resistance



MECHANICAL CHARACTERISTICS

(5) Lead tensile strength

