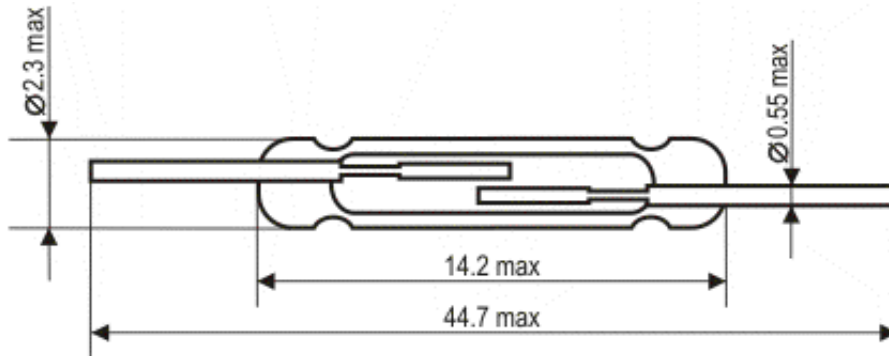


Specifications for MKA-14103



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	8-30
Drop out, AT min.	5
Contact resistance, Ohm max.	0,1
Breakdown voltage, V dc min.	250
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	-40... +125
High humidity at T=35x C, % max.-	98
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 $3,3 \cdot 10^{-10}$ oper⁻¹. min., confidence level of 60%.
- 24V-400mA- 5×10^5 operations min. at operation frequency of 50 Hz with failure rate $6,7 \cdot 10^{-8}$ oper⁻¹. min., confidence level of 60%.
- 60V – 200mA AC – $3 \cdot 10^5$ operations min. at operation frequency of 1 Hz with failure rate $1,1 \cdot 10^{-7}$ 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 0,5 ms.

Vibration

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