

# IP0301 In-Plane-Actuator



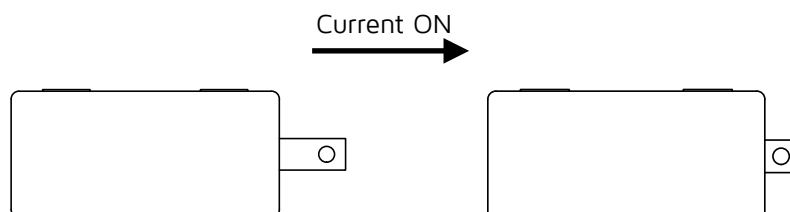
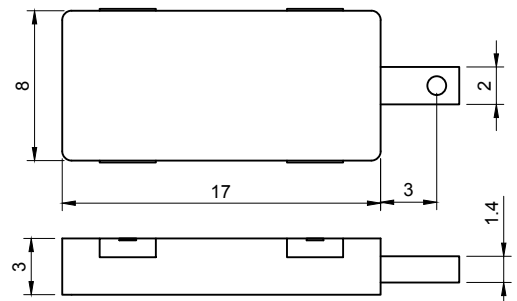
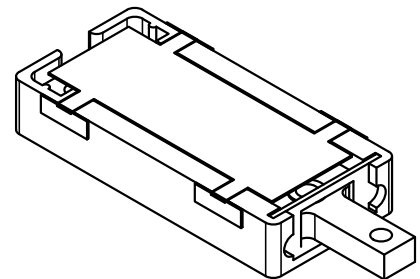
The memetis ultraflat In-Plane-Actuators with low power consumption and noiseless switching enable new applications in miniaturized systems. With its flat design and high stroke it can be used almost everywhere.

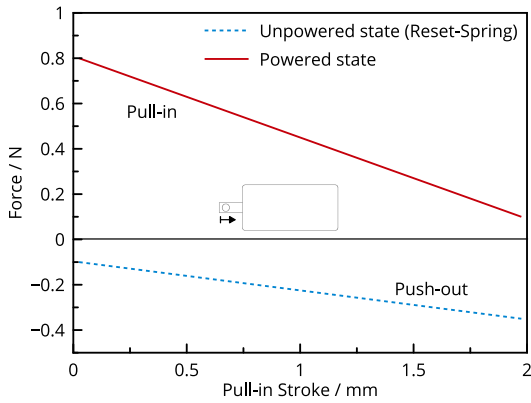
## Specifications

Parameter	IP0301
Functionality	In-Plane-Actuator (monostable)
Dimensions (LxWxH)	21 x 8 x 3.5 mm <sup>3</sup>
Stroke	2 mm
Max. Force (0 stroke)	0.8 N
Min. Force	0.1 N (2 mm)
Lifetime	50.000 cycles
Switching time: on / off	0.2 s / 2.0 s
Temperature range	10 – 50 °C *
Power consumption	5.2 W pulse (max. 0.2 s), 0.2 W (static)
Nominal current	1.6 A (max. 0.2 s), 0.3 A (static)
Electrical connections	Soldering pads

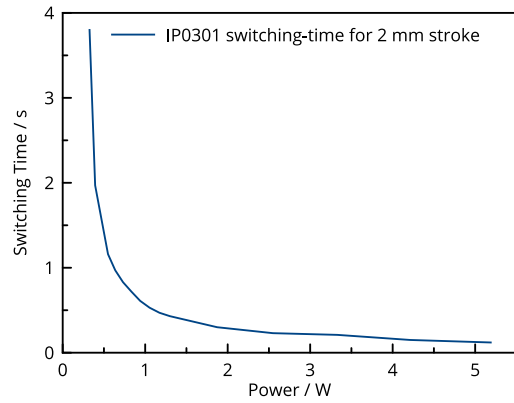
\* contact us for lower temperatures

## Drawings





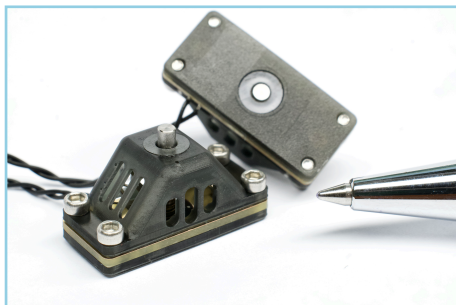
Graph 1: Force vs. extension stroke of actuator in powered and unpowered state



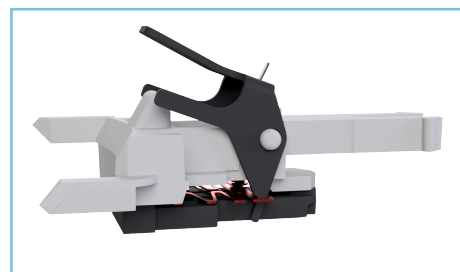
Graph 2: Switching-time to reach full stroke vs. electrical heating-power.

For **custom designs** (different stroke/force)  
 contact us directly via email:  
[contact@memetis.com](mailto:contact@memetis.com)

## Complementary memetis products



**Upstroke-Actuator (UA0204)**, most compact push/pull-actuator with 2 mm stroke (only 22 x 10 x 11 mm<sup>3</sup>)



memetis offers customer-specific **actuator systems** to enable new and innovative products.

## Contact information

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