

\* The color of the signal cable may vary (white or blue)

### AS-03 Technical Data

Body length	<b>52 mm</b>
Diameter	<b>14 mm</b>
Piston diameter	<b>5 mm</b>
Input Voltage	<b>3 - 4.5 Vdc</b>
Input Current (operation)	<b>100 mA</b>
Stand-by Current <sup>2</sup>	<b>50 µA</b>
Max Force at 4.5 V <sup>1</sup>	<b>2 N</b>
Stroke <sup>1</sup>	<b>5mm (±1mm)</b>
Speed (approx., no load) <sup>1</sup>	<b>40 mm/sec</b>
Holding force	<b>&gt; 5 N</b>

<sup>1</sup> Can be customized in order to meet the requirements of your application

<sup>2</sup> Measured at 4.5 Vdc

## Mini Linear Actuator **AS-03**

The **AS-03** is a miniature linear actuator with interesting features.

It comes in a rugged **aluminium housing** measuring only 52 mm in length and 14 mm in diameter, making it **perfect for using in all the situations where room is at a premium.**

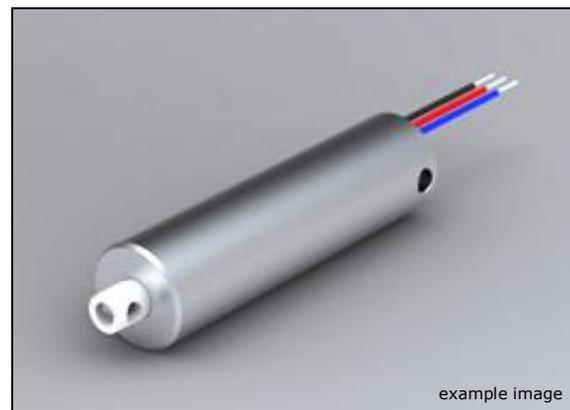
**Small dimensions** notwithstanding, it incorporates a **dedicated driving circuitry**, with **limit switches** and logical input.

The implementation is very simple. Just three wires comes out of the actuator, two of them are for power supply and the third is for controlling. A logical input of 1 makes the piston moving at 'out' position, while logical input 0 bring the piston at its retracted position. The **stand-by current is very low** (50 µA @ 4.5V), fact that makes it **suitable for battery powered and portable appliances.**

The required current at the logical input is extremely low: this means that the **AS-03** can be operated in a "touch switch" mode (just connect the signal cable and the positive cable to two metallic plates and you will be able to switch the **AS-03** just with the touch of your finger).

**Various force/speed factors and various stroke lengths** are available upon request (varying these parameters may affect the length of the housing).

**12V operation is implementable** as well upon request.



**Important notice:** The **AS-03** is not to be used in life support devices or systems, if a failure of the **AS-03** can reasonably be expected to cause the failure of that life support device or system, or to affect the safety or effectiveness of that device or system.