

This model is based on our MMA range of moving magnet actuators. The actuator (IP 65) is ready to use with integrated linear guiding, incremental feedback and a NEMA frame size 34 mounting interface.

For the linear guiding leaf spring technology originating from aerospace applications is used. In comparison with conventional slide bearings the leaf springs have a much higher life time. Furthermore the debris coming from the guide bushings of conventional slide bearings is avoided.

A wash-down version (IP69K) is optional.



Moving magnet linear actuator with mechanical interface, Integrated incremental encoder and leaf spring guiding

Key Features:

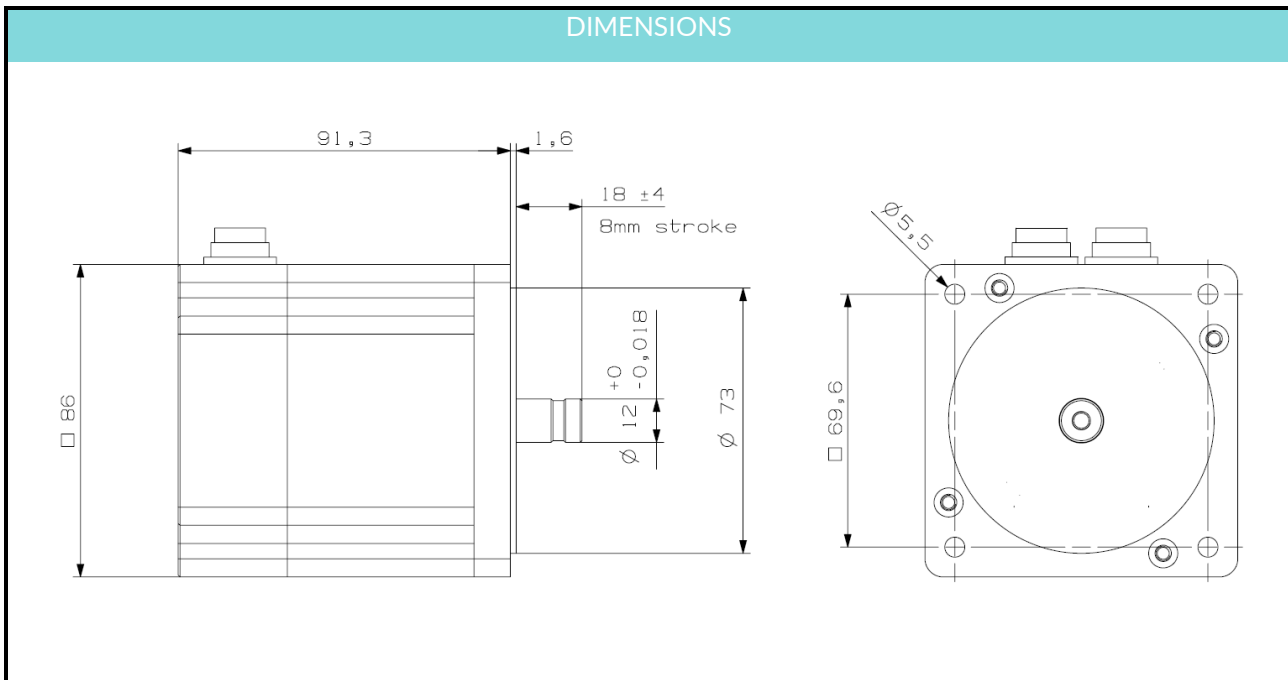
- High reliability and lifetime due to the absence of moving wires
- Compact design
- No heat load on the moving part
- Suitable for vacuum environments
- High peak and continuous force possible
- Simple control through integrated sensor

Application Areas:

- High-End Production automation

Technical Data		
Model MI -MMA-6033-ENC-LS		
Parameter [unit]	Value	Remark
Stroke [mm]	8	Internal end stops integrated
Force constant, Back EMF constant [N/A, Vs/m] Middle position	8.3	
Coil resistance [Ohm]	1.4	
Coil inductance [mH]	1.1	
F continuous [N] Middle position	38.4	
F peak [N] Middle position	259	
Max. operating voltage [V]	48	
Moving mass [kg]	0.26	
Encoder Type	Incr A,B,Z	
Encoder resolution [micron]	20	
Encoder interface	RS-422	Balanced signal lines
Encoder Supply Voltage [V]	5	

Note:
Preliminary values. No rights can be derived from this specification.
Patent protected.



*All dimensions in mm