



MICRO POSITIONING ACTUATOR VMP 10-100-60

update : 13/06/2014

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VMP10-100-60-LMJ actuator ensures high precision motion

- VMP10-100-60-LMJ actuator provides smooth and irreversible movement, using high precision screw and stepper motor.
- The non-rotating system of the actuator rod guarantees easy fixturing and secure using.
- Its integrated linear ball bearings guide allows to support side loads.
- The efficient VMP design promotes high dynamic load capacities, silent operation and low current consumption.
- The actuator can be adapted to particular customer needs.



System applications: VMP actuators are ideally suited to precise positioning, in a wide range of industrial, healthcare and ergonomic related applications.

Technical specification :

Motorization:

Bipolar hybrid stepping motor 400
step/rev. :

Input voltage : 24 to 48V
Drive current : 0,4 A/phase
Resistance: 33 Ω /phase
Inductance: 14 mH/phase

Technical specifications:

Travel range : 10 mm
Unidirectional repeatability 200 nm RMS
Resolution : 54 nm / step
Linearity : < 0.1%
Minimum incremental motion : 2 step

Actuator :

standard delivery with 300 mm multi conductor cable
(8 x 0,22 mm²)

Load capacity :

Axial load : +/- 150 N
Side load : 30 N

Integrated switches :

2 limit switches NC
Unidirectional repeatability (10 motions) : $\pm 10 \mu\text{m}$

Clean environment compatibility :

ISO 6

Using temperature : 20 to 22°C

Weight : 1.4 Kg max

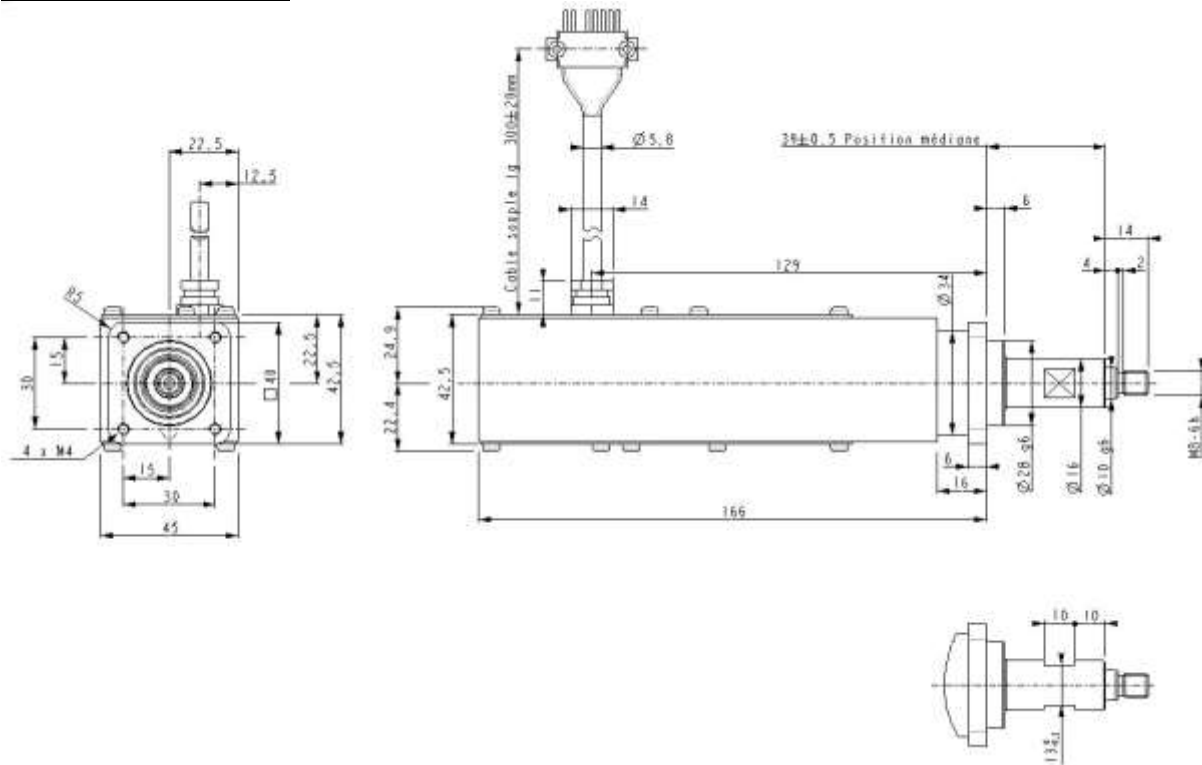


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Dimensions (mm) :



ACTUATOR WIRING		
Pin Number	Function	Contact
1	PHASE A+	MALE
2	PHASE A-	MALE
3	MECHANICAL GROUND	FEMALE
4	PHASE B+	MALE
5	PHASE B-	MALE
6	LILIT SWITCH +	MALE
7	24V LIMIT SWITCH	MALE
8	LIMIT SWITCH -	MALE