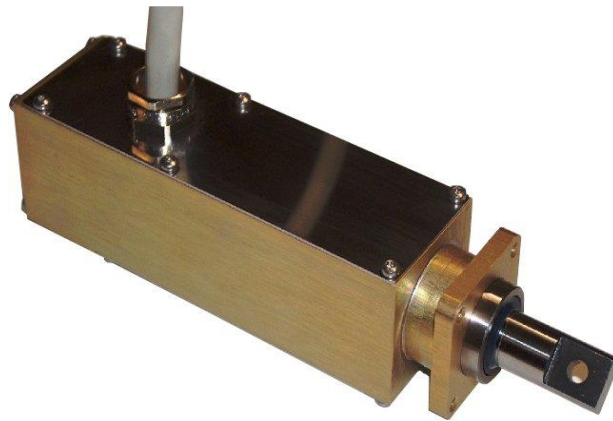


Update : 08/09/2015



*Non contractual photo*

**THE VMP 40-6000-80-PL-ISO5 is driven by a hybrid step by step motor**

## 1 - Description

- It provides an irreversible translation motion through a precision screw.
- The VMP got an anti-rotation rod system ensuring an easy application.
- Its embedded linear ball bearings guide allows to support radial load
- Geometry and characteristic can be adapted upon customer's request.

## 2 - Applications

- Accurate positioning of optical and sensors

## 3 - Technical specifications

### Characteristic (off option)

#### Motorization:

Hybrid stepper motor, bipolar 200 steps/tn

Voltage	48V
Current	1,1 A/phase
Resistance	4 $\Omega$ /phase
Inductance	3 mH/phase

#### Stress resistance:

Axial : 30N to 80N (compression only)  
Radial : 30 N

#### Integrated options in LMJ version:

2 NF limit switch contact

Short-term unidirectional repeatability for 10

**Technical specifications:**

Travel max.	< 35,75 mm
Stroke	> 31,84 (-15,09/+16,75)
Repetability	55 µm
Resolution	6,25 µm/step motor
Minimum increment control recommended	8 steps motor
Hysteresis without backlash	< 50x practical resolution

**Positioner:**

Standard Delivery with wiring 300mm and 15 points connector D38999-24WD18PN

operations: ± 10 µm

Integrated displacement sensor, precision: 0.1% x Total Stroke (linear potentiometer)

**Cleanliness class:**

Conditionné pour utilisation en ISO 5

**Mass:**

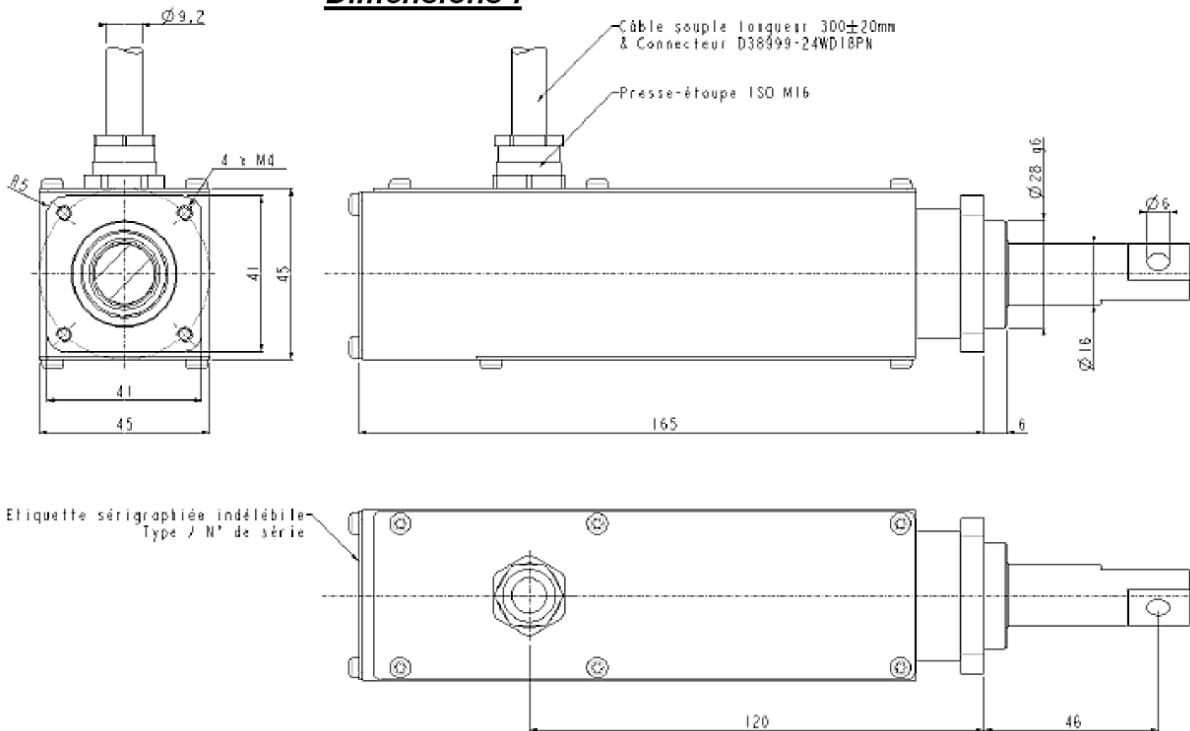
1,1 kg max.

**Operating temperature:**

19°C to 23°C

**4 - Dimensions**

**Dimensions :**



**ACTUATOR WIRING**

N° CONTACT	FUNCTION	OBSERVATION
<b>A</b>	Limit Contact + (output Rod)	Contact NF
<b>B</b>	Limit Contact – (input rod)	Contact NF
<b>C</b>		
<b>D</b>	Phase A+	

<b>E</b>	Phase A-
<b>F</b>	Mechanical Mass
<b>G</b>	Phase B+
<b>H</b>	Phase B-
<b>J</b>	
<b>K</b>	0V displacement sensor
<b>L</b>	10V displacement sensor
<b>M</b>	Cursor of displacement
<b>N</b>	24V Commun limit Contact