Green Pot — Conductive Plastic Linear Sensor

〈RoHS Compliance〉

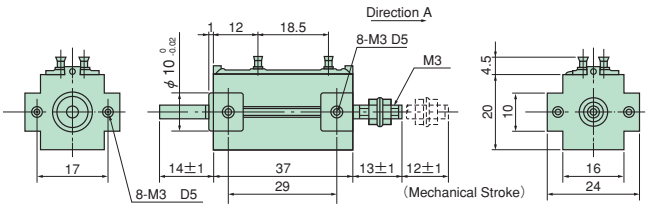
LP-10F
LP-10FB

■ FEATURES

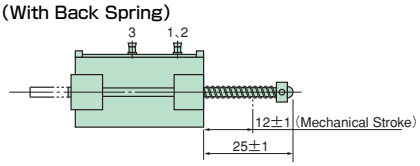
- 10mm stroke
- Low friction & long life
- 2 types Input shaft Interface.
- Available with mounting 4 surface

■ DIMENSION (mm)

• LP-10F

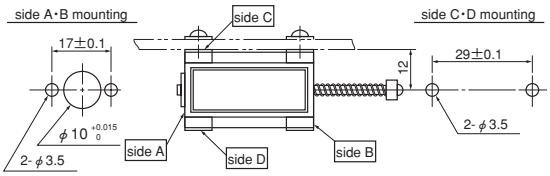


• LP-10FB (With Back Spring)



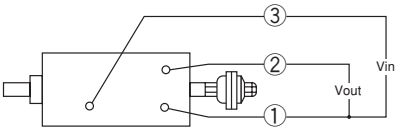
Other dimensions are same as LP-10F

■ MOUNTING



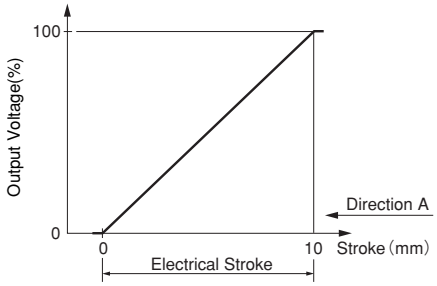
■MOUNTING HARDWARE
2-M3 Nuts, 2-Lock Washers

■ SCHEMATIC



1,2,3 indicate terminal No.

■ OUTPUT CHARACTERISTICS



■ Electrical Specifications

Electrical Stroke	10mm±0.5mm
Total Resistance	1kΩ
Total Resistance Tolerance	±20%
Independent Linearity	±1%
Power Rating	0.3W/50℃
Output Smoothness	0.1%MAX.
Insulation Resistance	100MΩMIN. DC 500V
Dielectric Strength	AC500V 1 Minute
TC of Resistance	±1000ppm / ℃

■ Mechanical Specifications

Mechanical Stroke	12mm±1mm
Friction	LP-10F：0.3N MAX.
	LP-10FB：3N MAX.(Spring Strength)
Weight	Approx. 60g

■ Enviromental Specifications

Operating Temperature	−40～100℃
Vibration	100m / s² 500Hz 3 axis 2hours each
Shock	500m / s² 11ms 6 axis 3times
Life Cycle	5M Cycles MIN.

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