Green Pot — Conductive Plastic Linear Sensor

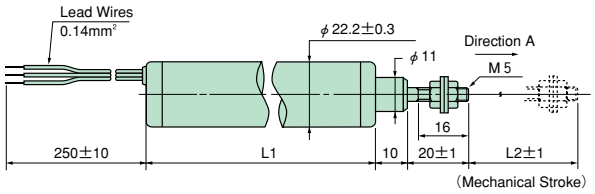
〈RoHS Compliance〉

LP-F series

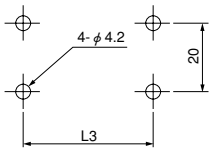
■ FEATURES

- Light Weight
- Low friction.

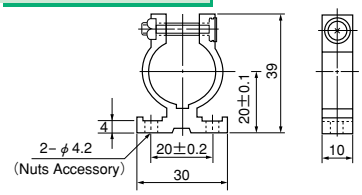
■ DIMENSION (mm)



■ MOUNTING



■ MTG Holes Spacing



■ Housing Length・Mounting

Model No.	LP-100F-C	LP-150F-C	LP-200F-C	LP-250F-C	LP-300F-C
Housing Length(L1)	138±1mm	188±1mm	238±1mm	288±1mm	338±1mm
Mech. Stroke(L2)	103±1mm	153±1mm	203±1mm	253±1mm	303±1mm
MTG Holes Spacing(L3)	124mm	174mm	224mm	274mm	324mm

■ Electrical Specifications

Model No.	LP-100F-C	LP-150F-C	LP-200F-C	LP-250F-C	LP-300F-C
Electrical Stroke	100mm±0.5mm	150mm±0.5mm	200mm±1mm	250mm±1mm	300mm±1mm
Total Resistance	1、2、5、10kΩ	1、2、5、10kΩ	1、2、5、10kΩ	2、5、10kΩ	2、5、10kΩ
Total Resistance Tolerance	±20%				
Independent Linearity	±0.3%				
Power Rating	2W / 70°C	3W / 70°C	4W / 70°C	4W / 70°C	4W / 70°C
Output Smoothness	0.1% / MAX.				
Insulation Resistance	100MΩ MIN.DC500V				
Dielectric Strength	AC500V 1 Minute				
TC of Resistance	±400ppm / ℃				

■ Mechanical Specifications

Friction	1N MAX.				
Weight	Approx. 110g	Approx. 140g	Approx. 170g	Approx. 200g	Approx. 230g

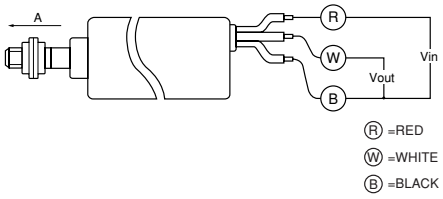
■ Enviromental Specifications

Operating Temperature	−25～80℃
Vibration	100m / s² 500Hz 3 axis 2hours each
Shock	500m / s² 11ms 6 axis 3times
Life Cycle	5M Cycles MIN.

OPTIONS

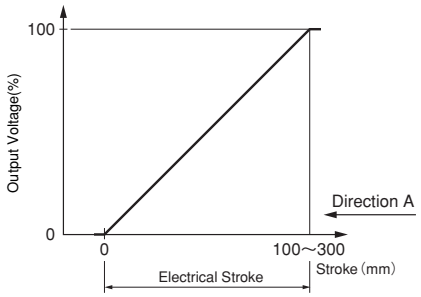
- 2 sections
- Independent Linearity : ±0.1%

■ SCHEMATIC



Red, White and Black indicate harness colors

■ OUTPUT CHARACTERISTICS



■ MOUNTING HARDWARE

4-M4 Nuts
2-M5 Nuts, 2-Lock Washers

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