

Contactless Linear Sensor

LP-10HA Series

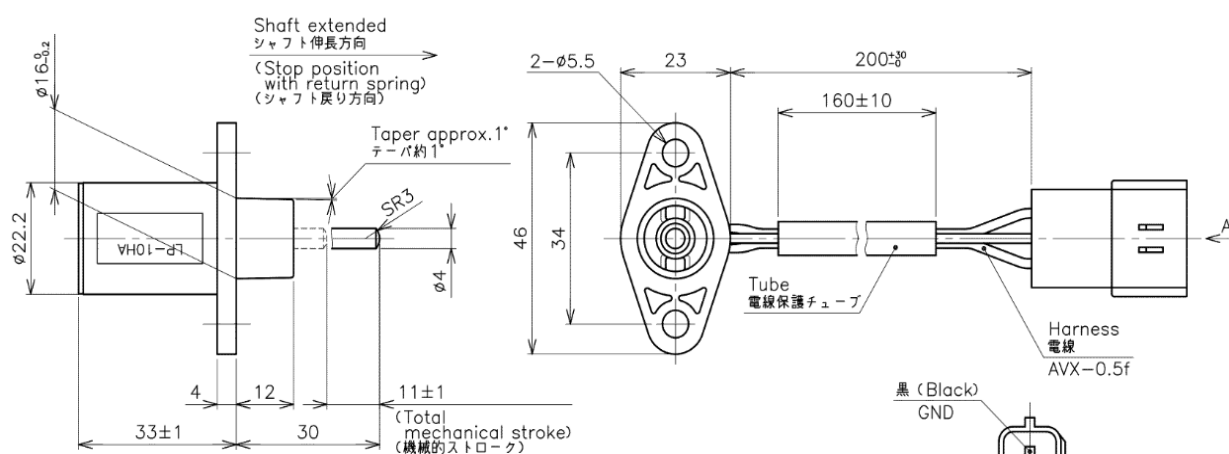


- Contactless Linear Sensor
- Effective Electrical Travel : 10mm
- Absolute Linearity : $\pm 1.6\%$ FS

【Material】

- Housing : PBT
- Shaft : Stainless Steel
- Bearing : Copperalloy

■ Dimension [mm]



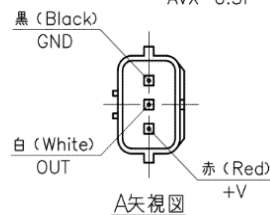
CONNECTOR : TE CONNECTIVITY AMP ECONOSEAL J - MARK II

CAP HOUSING : 174359-2

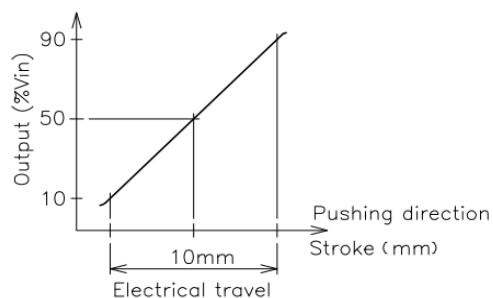
TAB CONTACT : 173600-1

RUBBER PLUG : 2822352-1

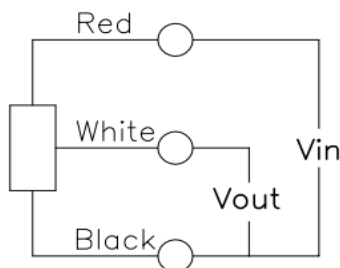
DOUBLE LOCK PLATE : 174360-7



■ Output Characteristics

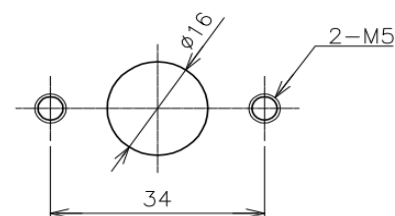


■ Schematic



- Red, White, Black indicate wire colors.

■ Mounting



【Model No.】	LP—10HA
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【Electrical Data】

Effective Electrical Travel	10	mm
Output Range	10~90	%Vin
Absolute Linearity	±2	%FS
Input Voltage	DC5±0.5	V
Load Resistance	10~150	kΩ
Supply Current	MAX. 16	mA
Insulation Resistance	MIN. 100/DC50V	MΩ
Resolution	10(0~100%Vin)	bit
Temp. Characteristics -40°C~100°C (Reference Temp. 25°C)	±0.33	mm

【Mechanical Data】

Total Mechanical Travel	11±1	mm
Friction	0.8~2.45	N
Stopper Strength	MIN. 98	N
Mass	55 Approx	g

【Environmental Data】

Life	10 Million	Cycle
Operating Temperature Range	-40~100 (No condensation)	°C
Storage Temperature Range	-40~100 (No condensation)	°C
Vibration	98m/s ² 200~2000Hz	
Shock	1000m/s ² (100G) 3axis 3times	
EMS	100V/m 200~1000MHz	
ESD(Case-Each Terminal)	±16	kV
ESD(Each Terminal)	±16	kV
IP Rating	IP65 (Except the cable side from the mounting surface and tip of connector)	

■ Handling Instruction

- This product may be influenced from external magnetic field.
- Use this sensor in the place where is protected from ESD.