Conductive Plastic Linear Sensor (Cable Pot)

MIDORI **CP-45F-150LS / CP-45F-200LS**

General

- Wire Extension Type Conductive Plastic Linear Sensor
- Effective Electrical Travel: 1640mm / 2235mm
- Independent Linearity: ±0.1%

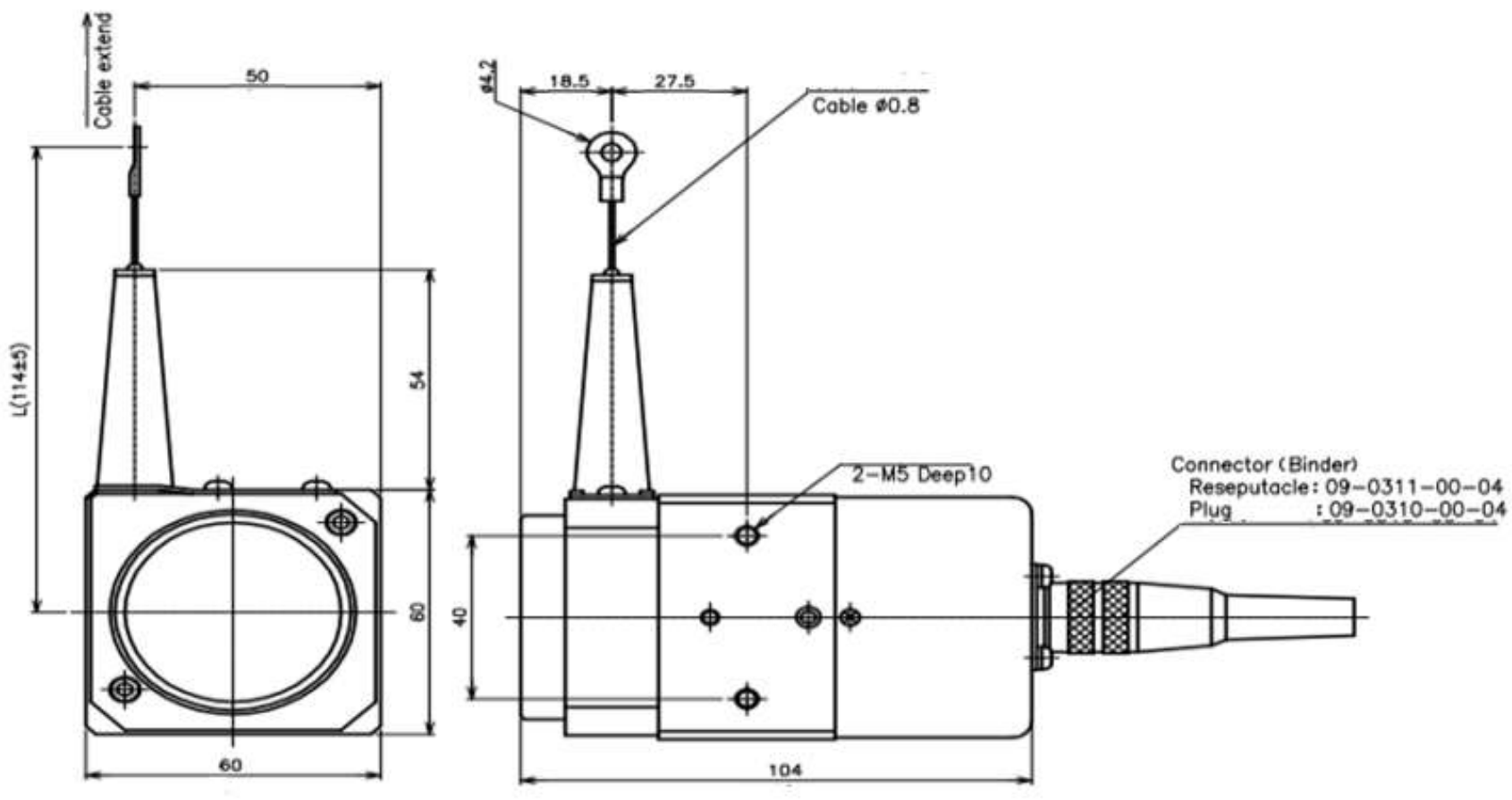
CP-45F-150LS : 1640mm

CP-45F-200LS : 2235mm

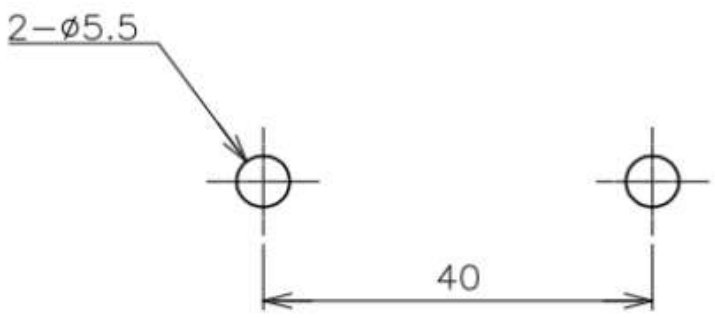
Material

- Housing: Aluminum
- Cable : Stainless Steel

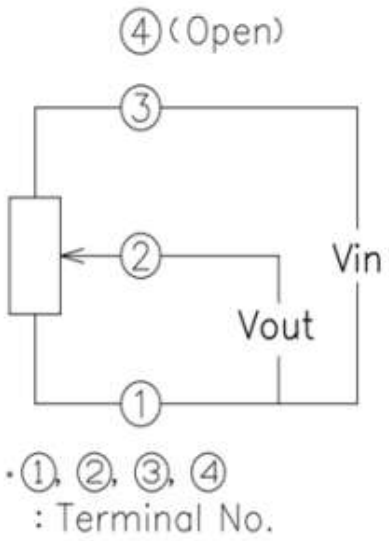
Dimension (mm)



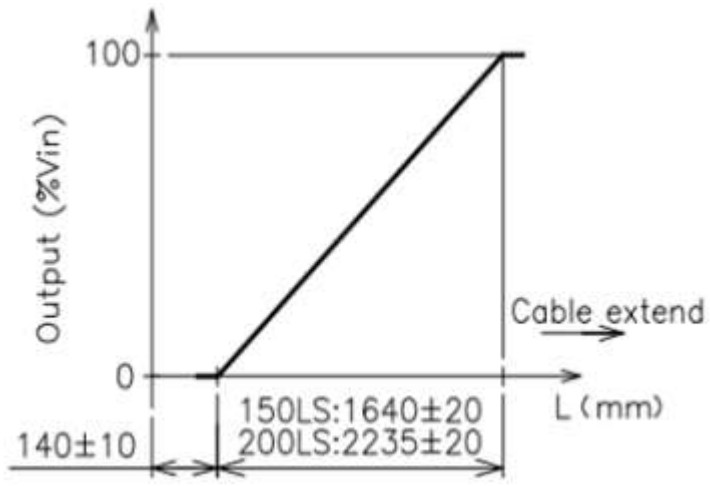
Mounting(mm)



Schematic



Output Characteristics



Specifications

	CP-45F-150LS	CP-45F-200LS
Electrical Specifications		
Effective Electrical Travel	1640mm ±20mm	2235mm ±20mm
Total Resistance	1K, 2K, 5K, 10K Ω	
Total Resistance Tolerance	±15%	
Independent Linearity	±0.1%	
Rated Dissipation	0.3W/ 50℃	
Output Smoothness	0.1% MAX.	
Insulation Resistance	100MΩMIN./DC1000V	
Dielectric Strength	AC1000V/ 1Minute	
TC of Resistance	±400ppm/K	
Mechanical Specifications		
Wire Tension	8N MAX.	
Tracking	1m/S MAX.	
Weight	Approx. 650g	
Backlash	0.5% MAX.	
Environmental Specifications		
Category Temp. Range	-5~+60℃	
Storage Temp. Range	-5~+60℃	

Accessories

Connector Plug: BINDER Parts#09-0310-00-04 (Matching cable outer dimension Φ8mm)

Handling Instruction

- **To avoid burnout of resistive element, do not supply more than 1mA current to terminal 2.**
- **Miswiring might cause burnout of resistive element.**
- **To reduce sliding noise, add load resistance should be more than 100times and less than 1000times of total resistance.**
- **Slight continuous vibration such as dither might cause short lifetime of the sensor.**
- **Do not pull cable over beyond the red mark on the cable.**
- **Do not retracted the cable freely.**
- **Particle bending of cable might be cause deformation of cable.**
- **Please be instructed water proofing of the connector from connector maker.**