

HPD Series

Linear Position Sensor



Feature:

High resolution and excellent performance
Double bearing linkage rod design, aluminum oxide shell,
high mechanical strength
Two brackets are installed, presenting a stylish appearance
It can replace the Honeywell SLF series

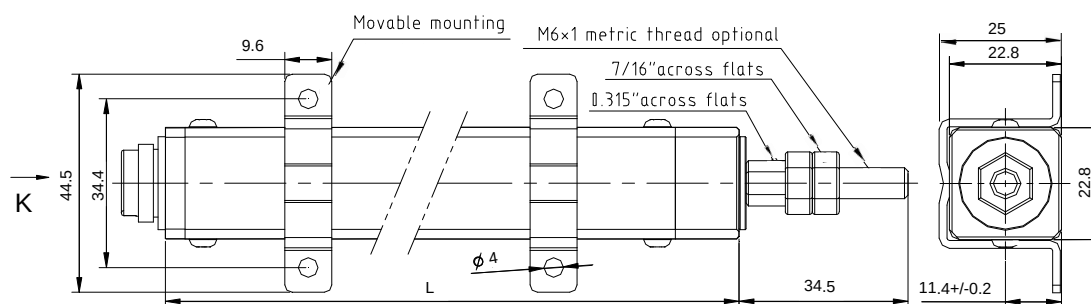
Detail:

The outer shell is made of black anodized aluminum
The pull rod is made of stainless steel, with a 1/4 inch -28NF
American thread at the top
• Flexible double bearing for shaft bearing
High-precision conductive plastic for resistance components
The sliding brush assembly is an alloy multi-contact sliding
brush with elastic damping
• Electrical connection: 5-pin IEC 130-9 circular aviation plug

Usage:

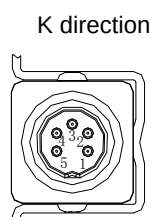
- Injection molding machines, extraction machines
- Brick machines, ceramic machinery
- Water gate control, woodworking machinery, hydraulic machinery, etc

Dimensions:

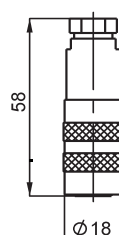


Accessory size:

- aviation round connector



EEM33-70-N

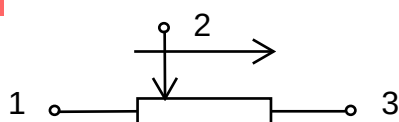


Remarque: customized and optional cable length 3m,5m,10m,15m

Tech Parameters

Paramters	unit	Details				
Range	inch	1	2	3	4	6
Housing lengthL (+/-1.0)	mm	103	128	151	176	227
Mechanical range(+/-1.0)	mm	30.5	55.9	80	105.4	156.2
Electrical range	mm	25	50	75	100	150
Driving force (horizontal	N	all below 3				
Max torque in screwing	Ncm	avarage 140				
antivibration Frequency	Hz	5...2000				
amplitude	mm	Max 0.75				
acceleration	g	aMax= 20				
Antishock Time	ms	11				
Force	g	50				
working life	times	> 20 x 10 ⁶				
protection class		IP 65 (DIN EN 60529)				
Working temperature	°C	-40 - 120				
standard resistance	kΩ	1.5	3	4.5	6	9
acceptable tolerance		± %	20			
Linearity	± %	0.3	0.2	0.1	0.075	0.075
Repeatability	mm	0.004	0.005	0.01	0.01	0.01
Working current	uA	≤1				
Max current for fault	mA	10				
Max working voltage	V	42	42	42	42	42
Temperature coefficients for out/input voltage	ppm/k	normally 5				
Isulation resistance	MΩ	≥10 (500VDC)				
Isulation strength	uA	≤100 (500VAC , 50Hz)				

Wirings:



Defination:
terminal1 --- V+
terminal2 --- signal output
terminal3 --- 0V,shared

Instructions:

HPD - XX

Series

Range inch

1.0 = 25 mm
2.0 = 50 mm
3.0 = 75 mm
4.0 = 100 mm
6.0 = 150 mm