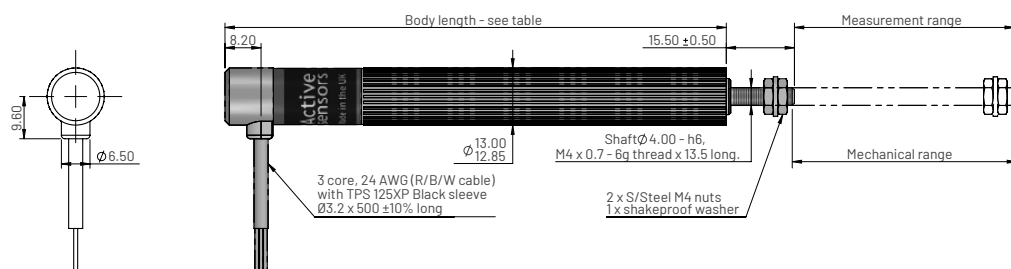


SLS1321-3 General Purpose Linear Potentiometers

Body clamp mounting, Slim 13mm body diameter, 25mm to 350mm measurement range

Active
sensors



Ordering information

SLS1321-3-XXX

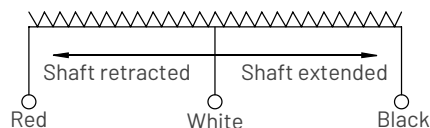
Measurement range in mm

Parameters	Values												Units
Measurement range ($\pm 0.5\text{mm}$)	025	050	075	100	125	150	175	200	225	250	300	350	mm
Body length	89	114	139	164	189	214	239	264	289	314	364	414	mm
Resistance (typical)	1	2	3	4	5	6	7	8	9	10	12	14	Kohms
Non-linearity	<+0.25		< ± 0.15										%FS
Applied voltage	<22	<45	<65	<90	<110	<130							Vdc
Wiper load	>500					>600	>700	>800	>900	>1000	>1100	>1200	Kohms
Mechanical range ($\pm 0.5\text{mm}$)	Measurement Range +1												mm
Shaft velocity	<10												m/s
Insulation resistance (at 500V DC.)	>100												Mohms
Operating temperature range	-30 to +125												°C
Sealing	IP65												
Shaft operation force (typical)	150												grams
Weight (approx.)	48	54	61	66	73	78	84	90	96	102	108	114	grams
Materials	Case: Anodised aluminium 6063 T5, Shaft: Stainless steel 303												

Notes

1. SLS sensors should be used as voltage dividers only.
2. Incorrect wiring may cause internal damage to the sensor.
3. General dimension tolerance is $\pm 0.25\text{mm}$.

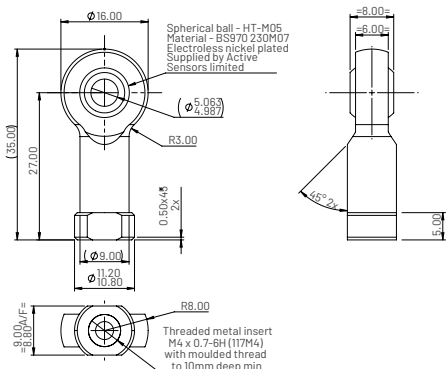
Electrical connections (see note 1, 2)



■ Accessories

■ 5mm rod end

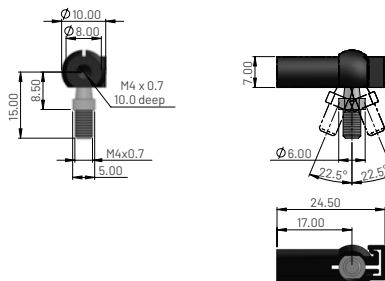
PT1322-3-0104



Material	
Housing	30% glass filled PBT (black)
Ball	Steel BS970 230M07, electroless nickel plated
Race	Gr nylon
Temperature rating: -35°C to +170°C	

- **Quick release ball joints**

JN029-003



Material	
Body	PA66, black
Ball stud	Hardened carbon
Steel	Zinc plated, clear passivate
Temperature rating: -40°C to +80°C	