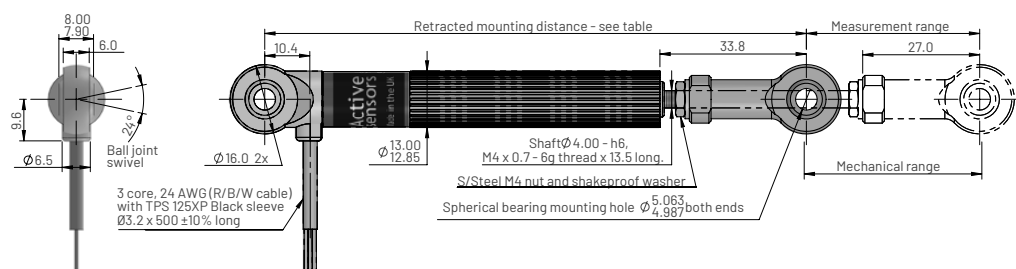


SLS1322-3 General Purpose Linear Potentiometers

5mm rod-end mounting, Slim 13mm body diameter, 25mm to 350mm measurement range

Active
sensors



Ordering information

SLS1322-3-XXX

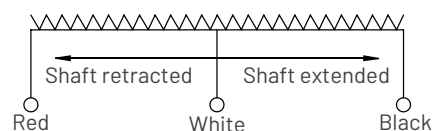
Measurement range in mm

Parameters	Values												Units
Measurement range (±0.5mm)	025	050	075	100	125	150	175	200	225	250	300	350	mm
Retracted mounting distance	125	150	175	200	225	250	275	300	325	350	400	450	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 (±0.5mm)	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.)	58	64	71	76	83	88	94	100	106	112	118	124	grams
Materials	Case: Anodised aluminium 6063 T5, Shaft: Stainless steel 303												

Notes

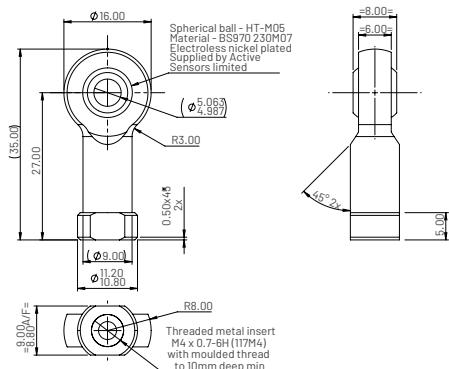
1. SLS sensors should be used as voltage dividers only.
2. Incorrect wiring may cause internal damage to the sensor.
3. General dimension tolerance is ±0.25mm.

Electrical connections (see note 1, 2)



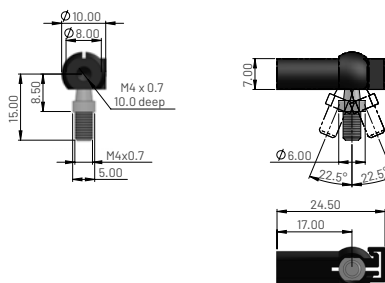
Accessories

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	