

LINEAR POTENTIOMETER *DIA9,5-xx*

Set of high-performance *miniature* linear potentiometers, based on "conductive plastic" technology.

These products are really compact, and they are easy to install in a very limited space.

Typical applications: suspension, motorcycle forks and shock absorbers, pedals position, etc...



Cod.	"A" Mechanical Stroke mm (± 0.5 mm)	"B" Retracted Mounting Distance mm (± 2 mm)	Resistance ($\pm 20\%$) Kohm
DIA9,5-12,5	12,5	86	0,8
DIA9,5-25	25	113	1,7
DIA9,5-50	50	123	3,4
DIA9,5-75	75	163	5
DIA9,5-100	100	194	6,7
DIA9,5-125	125	219	8,4
DIA9,5-150	150	244	10
DIA9,5-175	175	254	11,7

TECHNICAL SPECIFICATIONS:

- ◆ Maximum Supply Voltage: 40 Vdc
- ◆ Resolution: Essentially Infinite
- ◆ Repeatability: ≤ 0.01 mm
- ◆ Operational Speed: 10 m/s max
- ◆ Mechanical Life: >25 Million Cycles
- ◆ Temperature Range: -30 to 155°C (limit 175°C)
- ◆ Protection: IP67
- ◆ Linearity: $\leq \pm 0.5\%$
- ◆ Cable Type: Raychem 55A 26 AWG
- ◆ Cable Length: 900mm
- ◆ Case Material: Aluminum
- ◆ Spherical Bearing: $\varnothing 3$ mm
- ◆ Weight: 26 ÷ 46 gr.
- ◆ Exit cable: STD → Reverse Cable Exit
Optional → Forward Cable Exit

