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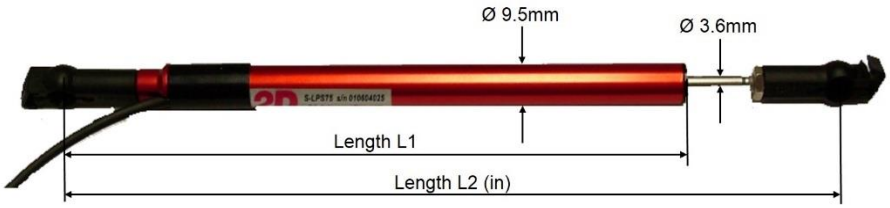
SA-LP075S-330 Linear potentiometer slim body, 75 mm



Electrical stroke	Length L1	Length L2 (in)	Length L2 (out)
75	151	175	250

All values in [mm]; tolerance ±1 mm

Features:

- Linear potentiometers are designed to convert linear movement into a proportional voltage output using a simple 3-wire, low current operating circuit
- Particularly developed for motorcycling
- Very good relationship between size, weight and stroke:
  - Very small body (Ø=9.5 mm)
  - Small weight
- Vibration-resistant by using absorbed sliders
- Suitably for rough environment

Technical specifications

Electrical characteristics		
Possible mechanical strokes	mm	75
Impedance	kΩ	7.5
Supply voltage	V DC	5
Maximum supply voltage	V DC	42
Linear output voltage		Yes
Linearity	%	±0.5
Isolation (500 V DC)	MΩ	>100
Recommended “slider current”	µA	<10

Vibration resistance		
Shock	G	40
during a time period of	ms	10
Vibration tested @	G	12
with	Hz	1000

Mechanical characteristics		
Dimensions		
Diameter Ø	mm	9.5
Length L2 (in)	mm	175
Weight	g	20
Cable & Connector		
Type		Raychem 55M
Wire cross section		3x AWG24
Length		200
Connector		JST JWPF 3PM
Operation life	Cycles	>25 millions
Maximum moving speed	m/s	10

Environmental		
Sealing class		IP67
Operating temperature	°C	-30 to +140
Humidity	%	

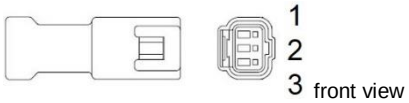
Ordering information
Art.No. SA-LP075S-330

Connector layout

Connector type

JST JWPF 3PM

Pin	Name	Description	Color
1	AGND	Analog Ground	Black
2	+5 V	Power supply	Green
3	Signal	Analog signal	White



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