

Position – Linear

15.5mm square body potentiometer



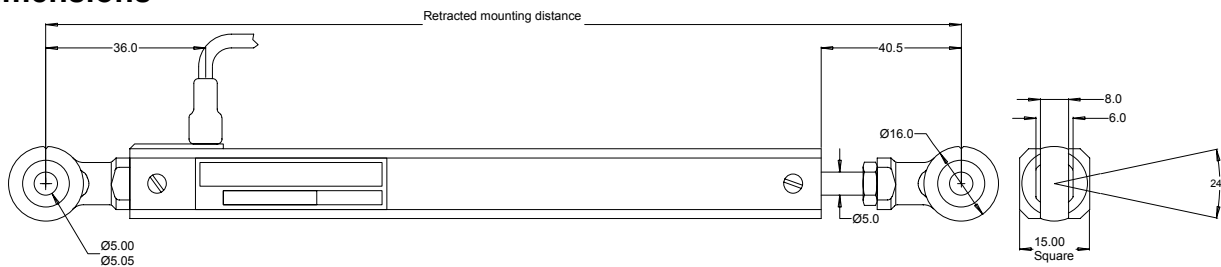
Description

A range of linear potentiometers designed to operate in extreme conditions, all sensors are fitted with 'O' ring sealed shafts, various connector types and internal electronics which are not sensitive to moisture ingress.

Typical uses are 'suspension movement', steering angle, throttle position, etc.



Dimensions



Technical data

Stroke in mm	50	75	100	150	200	250
Active electrical stroke	52	77	102	152	205	255
Resistance (+/- 20%)	5.0 kΩ	5.0 kΩ	5.0 kΩ	10 kΩ	10 kΩ	10 kΩ
Retracted mounting distance	198	223	248	298	351	401
Independant linearity	0.20%		0.10%			
Weight - grammes	130	140	150	170	190	210
Life expectancy - cycles*	10 million					
Insulation - 500Vdc	> 100 M ohms					
Temperature range	-40 to 100°C					
Mechanical stroke	Active electrical stroke + 1.5mm					

* Measured at a wiper speed of 0.75m/sec

Ordering Information

Part No.	Connector	Stroke	Order code
VLP 15 SA 50M	ASL6 06 05 PN HE	50mm	23810005003
VLP 15 SA 75M	ASL6 06 05 PN HE	75mm	23810007003
VLP 15 SA 100M	ASL6 06 05 PN HE	100mm	23810010003
VLP 15 SA 150M	ASL6 06 05 PN HE	150mm	23810015003
VLP 15 SA 200M	ASL6 06 05 PN HE	200mm	23810020003
VLP 15 SA 250M	ASL6 06 05 PN HE	250mm	23810025003

Electrical connections

Connector	1	2	3	4	5
Wire	red	white	black		
ASL6 06 05 PN HE	5V	signal	ground	not used	not used

Alternative connectors available on request

Casing Black anodised aluminium
 Max sliding speed 2 m/sec
 Sealing.....IP64

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