

## Linear Potentiometer LP 10

The LP 10 is a short length linear potentiometer which is designed to measure the relative position of two point e.g. the stabilizer movement.

Its operating mode is based on the linear tape potentiometer principle where the distance travelled between the moving end to the wiper is proportional to the resistance between them.

The advantage of this LP is its precise and compact design with a hard metal housing and low power consumption.



Application	
Application	0 ... 10 mm
Temperature range	-20 ... 85 °C
Storage temperature range	-40 ... 85 °C

Electrical Data	
Power supply	5 V
Nominal resistance	1 kΩ
Resistance tolerance	20 %
Non-linearity	1 %
Max. current	1 mA

Connectors and Cables	
Connector	KPSE 6E8-33P-DN
Connector loom	KPSE 0E8-33S-DN
Pin 1	U <sub>s</sub>
Pin 2	Gnd
Pin 3	Sig
Sleeve	DR-25
Cable size	AWG 24
Cable length L	15 ... 25 cm

Mechanical Data	
Weight w/o cable	70 g
Min. length	50 mm
Mounting	2 x M3
Tightening torque	2 Nm

Application Hint	
The LP 10 can be connected directly to most electronic control units and data logging systems.	
Optional mounting modifications are available.	
Each mounting orientation is possible.	
Comes with a spring return shaft.	
Please find further application hints in the offer drawing ( <a href="http://www.bosch-motorsport.com">http://www.bosch-motorsport.com</a> ).	

Part Number	
LP 10	<b>B 261 209 535-01</b>

