

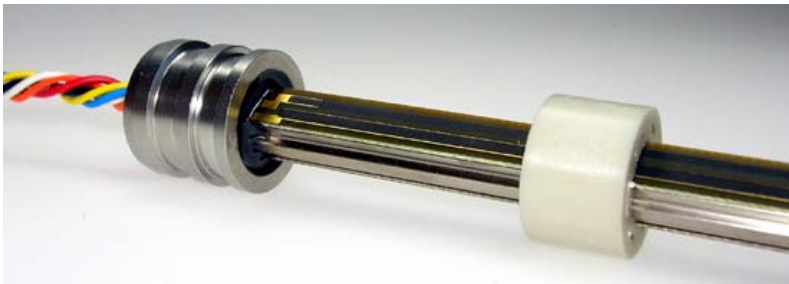
PS6500

Linear sensor 50-500 mm



PS6500 is the fifth generation linear sensor for compact incorporation in cylinder applications. Years of cylinder sensor experience, combined with new design and latest production technique offer you a sensor to an attractive price level.

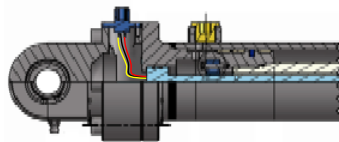
- Pressure sealed header
- Single or dual - redundancy
- Regal dimensions - changeable
- Low cost



The sensor header with glass sealing offer a simple and space saving solution in cylinders holding working pressure up to 350 bar. PS6500 has a sensor element of conductive plastic, offering long life time and temperature stable output. As an option the sensor is also offered with dual sensor elements allowing two independent outputs. This gives you double safety and redundancy.

Adding a sensor to your system or cylinder is a perfect way to get an exact position output in harsh environments. The sensor is then safe from outer affects such as shocks and dirt.

With an absolute analogue output is this sensor simple to connect to various measuring- or steering systems and do not need zero calibration while power off or machine start.



Electrical specification

Supply voltage	max 36V
Linearity	<±2.0%
Resolution	Infinite
Repeatability	< ±0,02%
Rec. load resistance	100 x sensor resistance
Connections	Single 3 wire
	Dual 4-6 wires

Mechanical specification

Stroke length	50-500 mm
Temperature	-40°C- +125°C
Material	Stainless steel / aluminium
Working pressure	max 350 bar (5000 psi)
Life time	min 10 million cycles

Other alternatives available. Contact Regal Components for information.

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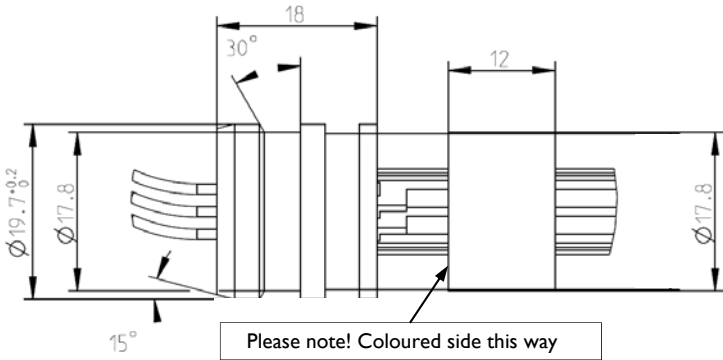
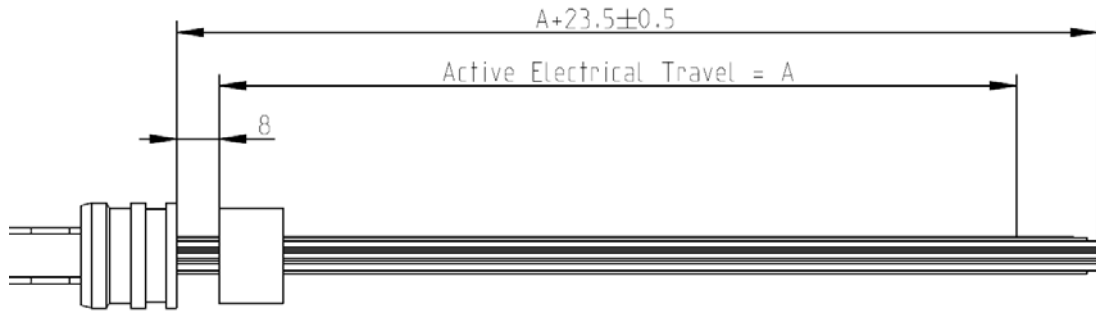


Specifications subject to change without notice.

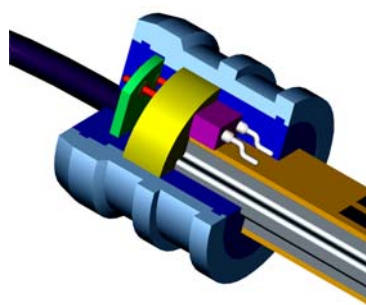
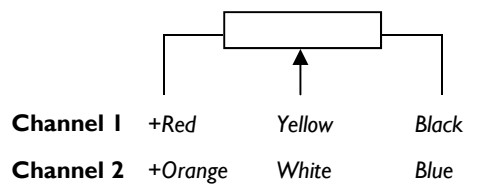
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REGAL COMPONENTS AB

PS6500

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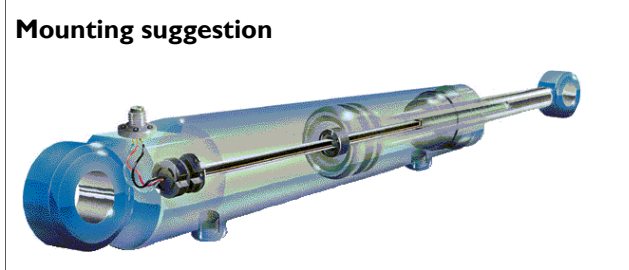
Connections



The smart design of the sensor header allow quick and safe mounting. With O-ring and back-up ring it offer pressure sealing up to 350 bar.

Electrical specification

Supply voltage	max 36V
Linearity	<±2.0%
Resolution	Infinite
Repeatability	< ±0,02%
Insulation resistance	(500 V) 10 GΩ
Rec. load resistance	100 x sensor resistance
Connections	Single 3 wire Dual 4-6 wires
Cable	..PVDF, AWG22 - 0.35 mm ² , Ø=1.19



Mechanical specification

Stroke length	50-500 mm
Temperature	-40°C - +125°C
Material	Stainless steel / aluminium
Working pressure	max 350 bar (5000 psi)
Life time	min 10 million cycles

Single	Dual	Stroke	Resistance (kΩ)
6501	6521	50 mm	1,5
6502	6522	100 mm	3
6503	6523	150 mm	5
6504	6524	200 mm	7
6505	6525	250 mm	9
6506	6526	300 mm	10.5
6507	6527	350 mm	12
6508	6528	400 mm	14
6509	6529	450 mm	16
6510	6530	500 mm	18

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