IPL Linear Position Sensor



- High Life Cycle
- High Temperature Capability
- IP65 Dust Proof, Water Proof (Intense Spray)

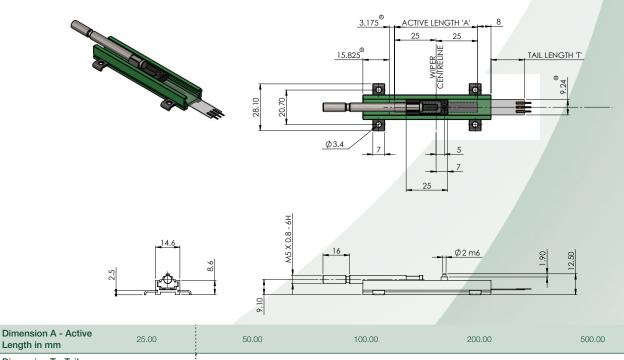
Compact design

Variohm IPL linear sensors combine a robust and sealed membrane type linear potentiometer element in a convenient support housing that makes installation straightforward. The compact IPL series, available from 25 mm to 500 mm stroke provides accurate linear measurement feedback for a wide range of applications.

Specifications

Mechanical	
Typical Life Cycle (membrane element)	>10 million
Actuation force	3.0 N average
Environmental	
Operating temperature	-40°C to +85°C
Humidity	No affect @ 95% RH, 24hrs 60°C
IP rating of active area	IP65
Electrical	
Resistance - Standard	10 kΩ (lengths >300 = 20 kΩ)
Resistance - Custom	5kΩ to 100 kΩ
Resistance Tolerance	±20%
Effective Electrical Travel	25 to 500 mm
Linearity (Independent)	±3% (±1% on request)
Repeatability	+/- 0.5 mm
Power Rating (depending on size, varies with length and temperature)	1 Watt max. @ 25°C, 0.5 Watt recommended
Resolution	Analog output theoretically infinite; affected by variation of contact wiper surface area.
Dielectric Value	No affect @ 500VAC for 1 minute

Dimensions - IPL

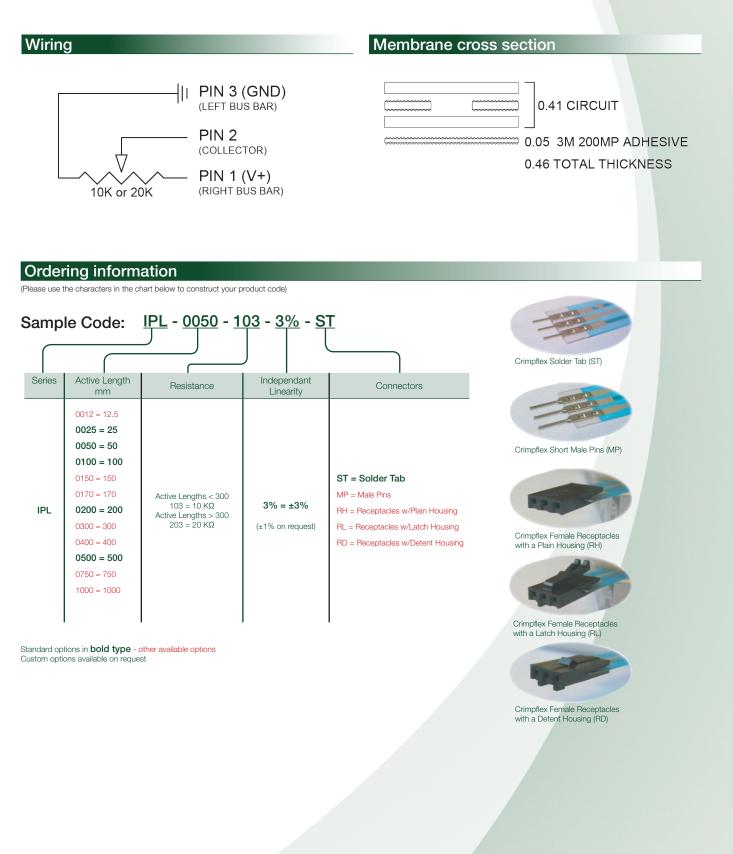


Dimension I - Tail	12.7 mm	0.1.0mmm
Length in mm	12.7 11111	24.9mm



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