

## 55250 Angular Displacement Sensor



### Features

- 105° Angular sensing range
- Absolute rotary position sensor
- Analog output
- Non-contact measuring
- EMC protection
- Integral connector

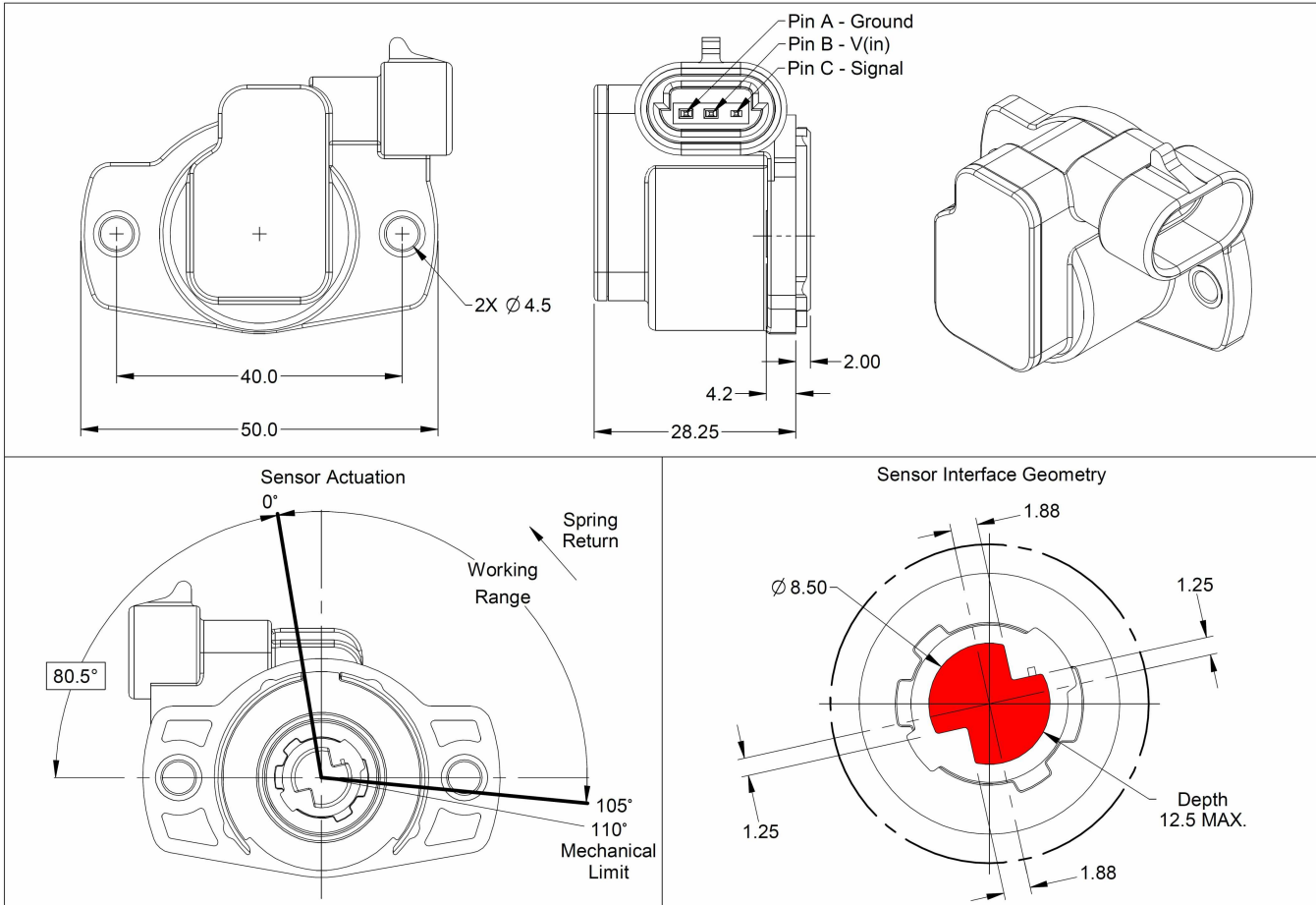
### Benefits

- Long life - no wear components
- High speed
- Unaffected by harsh environments
- Small robust package

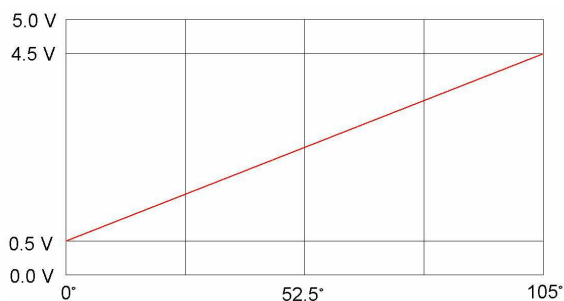
### Applications

- Pedal position
- Automotive pedal position
- Absolute rotary encoder
- Shaft position
- Lever position
- Float level sensor
- Non-contacting potentiometer

## DIMENSIONS mm



## OUTPUT SIGNAL



## CUSTOMIZATION OPTIONS

Customized versions available. Contact Hamlin for details.

- Angular sensing range
- Output type: Analog, PWM or SPI

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### SPECIFICATIONS

Hall Effect Device		Rotational Analog Output	
Operating Voltage	Recommended	Vdc	4.5 to 5.5
Over Voltage	Absolute Max (Note 1)	Vdc	20
Reverse Voltage	Absolute Max (Note1)	Vdc	-10
Supply Current		mA-Max	16
Output Current		mA-Max	-8 to +8
Programmed Output Voltage Range		Vdc	0.5 to 4.5
Programmed Sensing Range		°	105
Resolution		°	0.11
Accuracy		°	±4
Response Time		ms-Max	4
Start-up Time		ms-Max	15
Temperature	Operating	°C	-40 to +125
	Storage	°C	-65 to +125
Mating Connector		Delphi	12162181
Pin Out		Pin A	Ground
		Pin B	V(in)
		Pin C	Signal
Note 1: This is a stress rating only. Functional operation is not implied.			

### ORDERING INFORMATION

Part Number

55250 - 00 - 00 - 0