

55250 Angular Displacement Sensor



Features

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

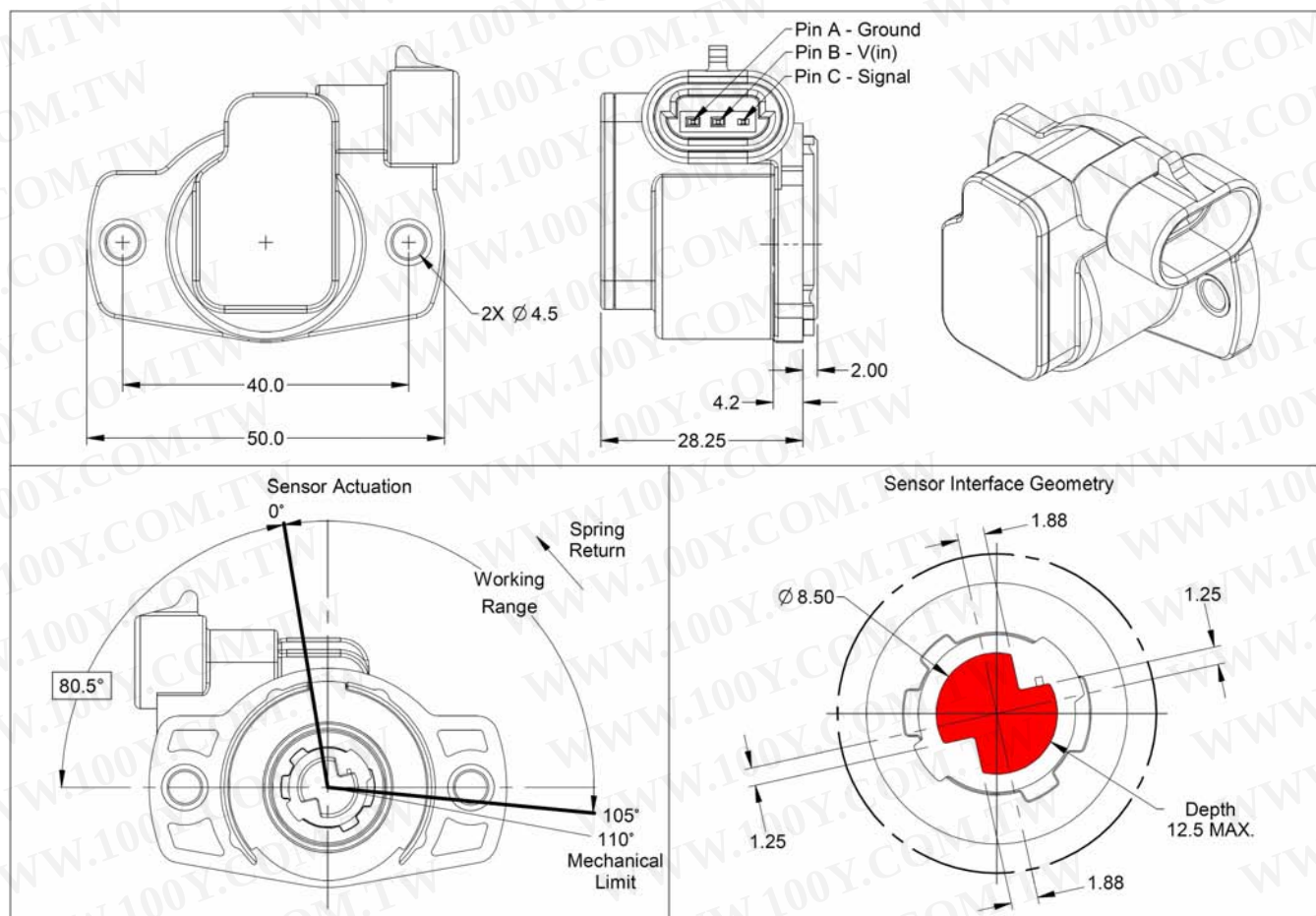
Benefits

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

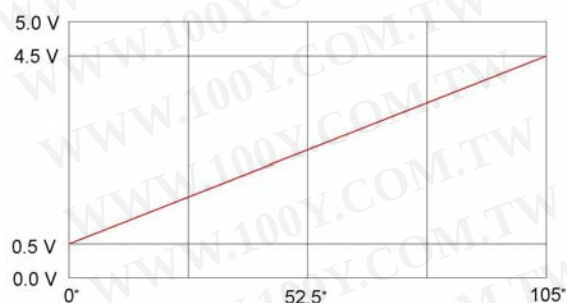
Applications

- 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

55250 Angular Displacement Sensor

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

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)