HAMLIN

Features

- Sensor and magnet contained in a
- single housing Sensor operates when ferrous vane
- passes through slot
- 3 pin leadout integral to sensor
- Reverse/Over voltage protection
- Built in temperature compensation

55085 Miniature Vane Hall Effect Sensor Benefits

enents

Small package size

• Simple installation

field

- High switching speed up to 10kHz
- Long life; up to 20 billion operations
 Unaffected by harsh environments
- Operates in static or dynamic magnetic
- Security systemsLinear actuators

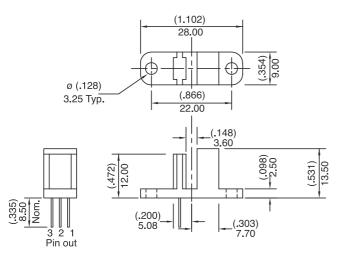
Applications

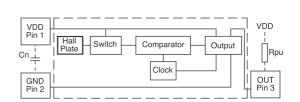
Position and limit sensing

Shaft rotation sensing

- Angle sensing
- Magnetic encoders

DIMENSIONS (in) mm





Notes:

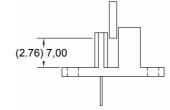
- Add caoacitor Cn as shown, close to the sensor, for transient suppression if required.
- Add resistor Rpu as shown for sinking output.

SPECIFICATIONS			
Specifications			Digital Switch
Hall Type			3 Wire (Voltage output)
Supply Voltage (Note1)	Absolute Range	Vdc	-15 to +28
	Recommended	Vdc	+3.8 to +24
	Overvoltage Protection	Vdc - max.	32
Output High Voltage		Vdc	Sinking output (Pull Up Resistor Required)
Output Low Voltage		Vdc - max.	0.4 @ 20mA
Output Current (continuously on)		mA - max.	20
Switching Speed		Khz - max.	10
Temperatutre	Operating	°C	-40 to +100
	Storage	°C	-65 to +105

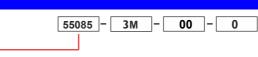
Note 1 - As long as Tj (Junction Temperature) max. Is not exceeded.

ACTIVATIONS (in) mm

Activate Distance is approximate using a (.100) 2,54 mm thick ferrous vane as illustrated.



ORDERING INFORMATION



Series 55085

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BLOCK DIAGRAM