

55310 Flat Pack Digital Hall Sensor



Features:

- Magnetically operated position sensor
- Unipolar digital hall switch
- 3 wire with open-drain output
- EMC protection
- Reverse/over voltage protection

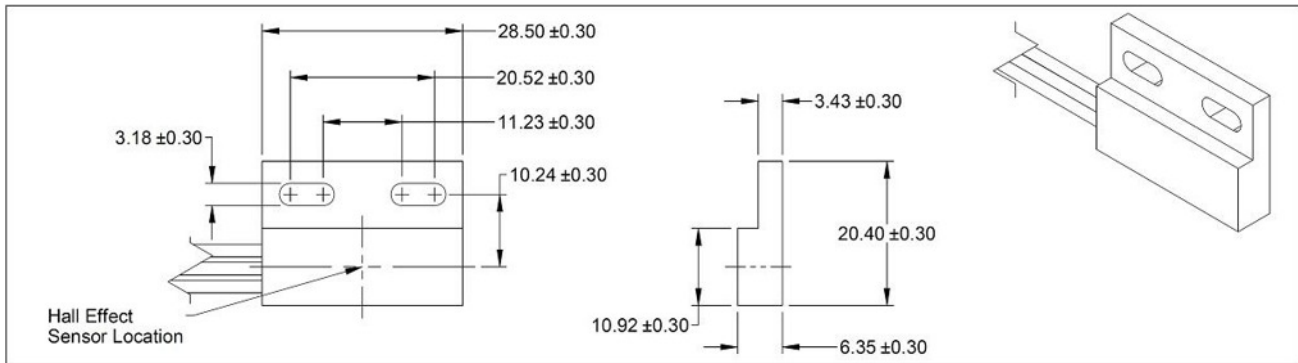
Benefits:

- High switching speed up to 10kHz
- Long life; up to 20 billion operations
- Unaffected by harsh environments
- Custom connector, wire length options available. Consult Hamlin.
- Standard actuators available. Consult Hamlin.

Applications:

- Position sensing
- Limit sensing
- Speed measurement
- Magnetic encoders

DIMENSIONS mm

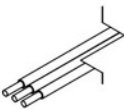



SPECIFICATIONS

Hall Effect Device		Unipolar Digital Switch	
Operating Voltage	Recommended	Vdc	4.75 to 24.0
Over Voltage	Absolute Max	Vdc	30
Reverse Voltage	Absolute Max	Vdc	-20
Supply Current		mA-Max	6
Output Current		mA-Max	20
Sensor Actuation w/Magnetic South Pole	Operate (output low)	Gauss - Typical	55
	Release (output high)	Gauss - Typical	35
Switching Speed		kHz Max	10
Temperature	Operating	°C	-40 to +105
	Storage	°C	-65 to +105
Wire	Size	AWG	20
	Insulation	SAE	J-1128, Type TXL
	Length	mm	300

ORDERING INFORMATION

Termination Options

Select Option	Description	Select Option	Description
A	Stripped Leads  Color Function Black Ground White Signal Red V(in)	C	Molex Connector MX 150 33481-0301  Pin Color Function 1 Black Ground 2 White Signal 3 Red V(in)

553100 - 00 - 02 - X

Series 55310

Sensing Range

Wire Length

Termination

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