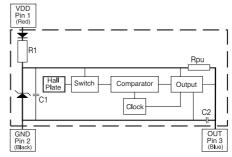
HAMLIN

www.hamlin.com

- 55075 Geartooth Hall Effect Sensor Features and Benefits Features **Benefits**
- Rotary position geartooth sensor
- Stainless steel MI2 threaded barrel
- · Electronic protection against severe and
- automotive environments
- Self adjusting magnetic range
- 3 wire (voltage output)
- EMC protection (consult Hamlin)
- Short circuit/reverse voltage protection • Zero speed detection
- · Long life; up to 20 billion operations • High speed operation No chopper delay
- · Unaffected by harsh environments
- Rotary orientation not critical
- On-chip 10 bit A/D converter
- · Customer selection of cable length and connector type
- Applications Geartooth sensor
 - · Camshaft sensor
 - Linear encoder
- Rotary encoder

DIMENSIONS (in) mm M12x1mm PITCH Nuts M12x2 (0.250) 6,35 NOM (1.417) 36.0 (1.181) 30.0 NOM Table 1 +/-(.393) 10,00 (1.811) 46.0



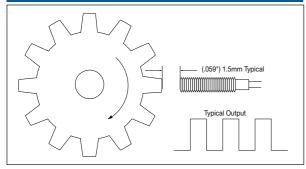
SPECIFICATIONS

Hall Type			Digital Switch 3 Wire (Voltage Output)	
Supply Voltage (Note I)	Maximum	Vdc	-25 to +25.2	
	Operation	Vdc	4.75 to 25.2	
	Overvoltage Protection	Vdc-max	27	
Output High Voltage		Vdc-min	VDD - 2 (sinking outputs with internal pull-up resistor)	
Output Low Voltage		Vdc-max	0.6 @ 20mA	
Output Current (continuously on)		mA-max	20	
Current Consumption		mA-min		
		mA-max	10.5	
Switching Speed		kHz-max	15	
Temperature	Operating	°C	-40 to +85	
	Storage	°C	-65 to +85	

TABLE I

Note I - As long as Tj (Junction Temperature) is not exceeded

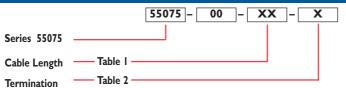
APPLICATION EXAMPLE - Geartooth Sensor



CUSTOMER OPTIONS - Cable Length and Termination

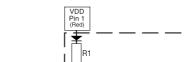
TABLE I			TABLE 2				
Cable Length Options:-			Termination Options:-				
(Cable Type 24 AWG 7/32 PVC 105°C,			SELECT OPTION	DESCRIPTION			
Double Insulated)					 _		
SELECT	CABLE	A	А	Tinned leads			
	(in) ^{mm}						
01	(3.94) 100						
02	(11.81) 300		с	6.35mm fastons			
03	(19.69) 500		D	AMP MTE 2.54mm pitch			
04	(29.53) 750		D	AFIF FITE 2.54mm pitch			
05	(39.37) 1000		E	JST XHP 2.5mm pitch			

ORDERING INFORMATION



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