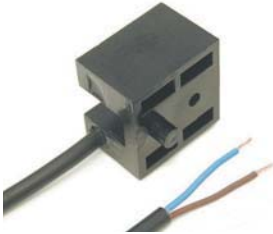


59090 Heavy Duty Vane Sensor Features and Benefits



Features

- Sensor and magnet contained in single housing
- Sensor operates when ferrous vane passes through slot
- Normally closed standard, normally closed high voltage or change over options
- Choice of cable length and connector

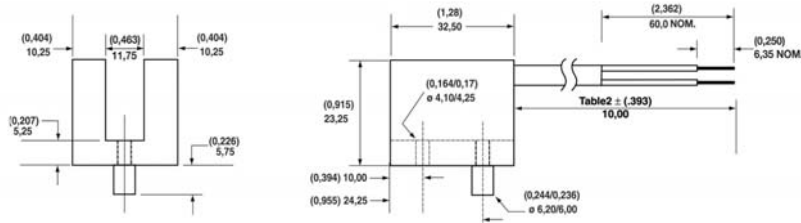
Benefits

- Quick and reliable single screw mounting with location feature
- No standby power requirement
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

Applications

- Position and limit sensing
- Security system switch
- Linear actuators
- Industrial process control
- Shaft rotation sensing

DIMENSIONS (in) mm



SCHEMATICS	Switch Type
	3
	4 & 5

CUSTOMER OPTIONS - Switching Specifications

TABLE I Contact Type			Normally Closed	Normally Closed High Voltage	Change Over
Switch Type			4	5	3
Power	Power	Watt - max.	10	10	5
	Switching	Vdc - max.	200	300	175
Voltage	Breakdown	Vdc - min.	250	450	200
	Switching	A - max.	0.5	0.5	0.25
Current	Carry	A - max.	1.2	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2
Resistance	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁹
	Contact	pF - typ.	0.3	0.2	0.3
Capacitance	Operating	°C	-40 to +85	-20 to +85	-40 to +85
	Storage	°C	-65 to +85	-65 to +85	-65 to +85
Temperature	Operate	ms - max.	1.0	1.0	3.0
	Release	ms - max.	1.0	1.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50
Vibration	50-2000 Hz	G - max.	30	30	30

CUSTOMER OPTIONS - Cable Length and Termination Specification

TABLE 2 Cable Type:- BS 6500 3A 16/0.2 PVC DOUBLE INSULATED		TABLE 3 Termination Options:-		ACTIVATION
SELECT OPTION	CABLE LENGTH (in) mm	SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)	
Standard Lengths				
01	(3,94) 100	A or F	Tinned or untinned leads	
02	(11,81) 300			
03	(19,69) 500			
04	(29,53) 750	C	6.35mm fastons	
05	(39,37) 1000			

ORDERING INFORMATION

Series 59090	59090	-	X	-	T	-	XX	-	X
Switch Type	Table I								
Sensitivity									
Cable Length	Table 2								
Termination	Table 3								

Hamlin USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com
Hamlin UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com
Hamlin Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com
Hamletrol France Tel: +33 (0) 1 6047 3000 • Fax: +33 (0) 1 6015 9136 • Email: sales.fr@hamlin.com

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