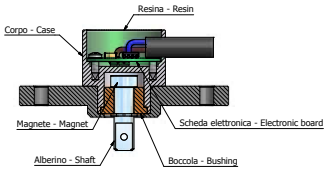
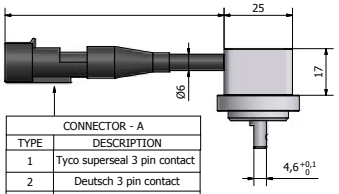
Sensori angolari ad effetto Hall (2)
Hall effect angle sensors (2)

- Fissaggio con flangia 63 mm a due fori
- Range angolare da ± 15° a ± 60°
- Versioni a 5 Vdc raziometriche o a range esteso 10-30 Vdc
- Compatibilità elettrica e meccanica con i principali costruttori
- Impiegabili nei settori automotive, agricolo, movimento terra, industriale, ferroviario, nautico.

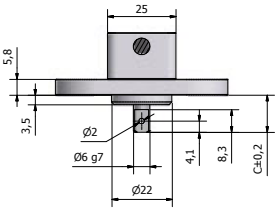
- Fastening by mean of a 63 mm flange with two holes
- Angular range from ± 15° to ± 60°
- 5 Vdc ratiometric or extended supply voltage 10-30 Vdc versions
- Electrical and machanical compatibility with the models of the most important manufacturers
- Applicable in automotive, agricultural, earth-moving machinery, industrial, railway and nautic fields.

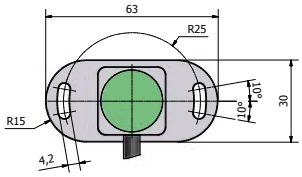
DIMENSIONS





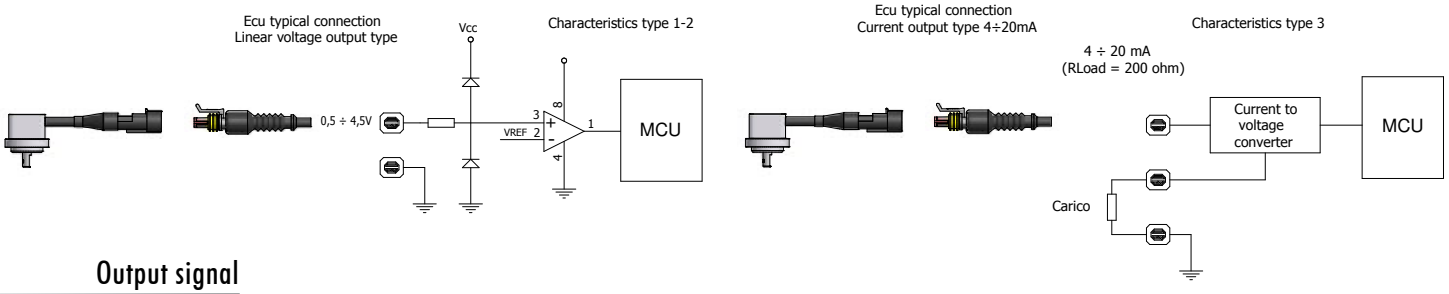
CONNECTOR - A	
TYPE	DESCRIPTION
1	Tyco superseal 3 pin contact
2	Deutsch 3 pin contact
3	G+H Type 17108
4	AMP 3 on 6 pin contact



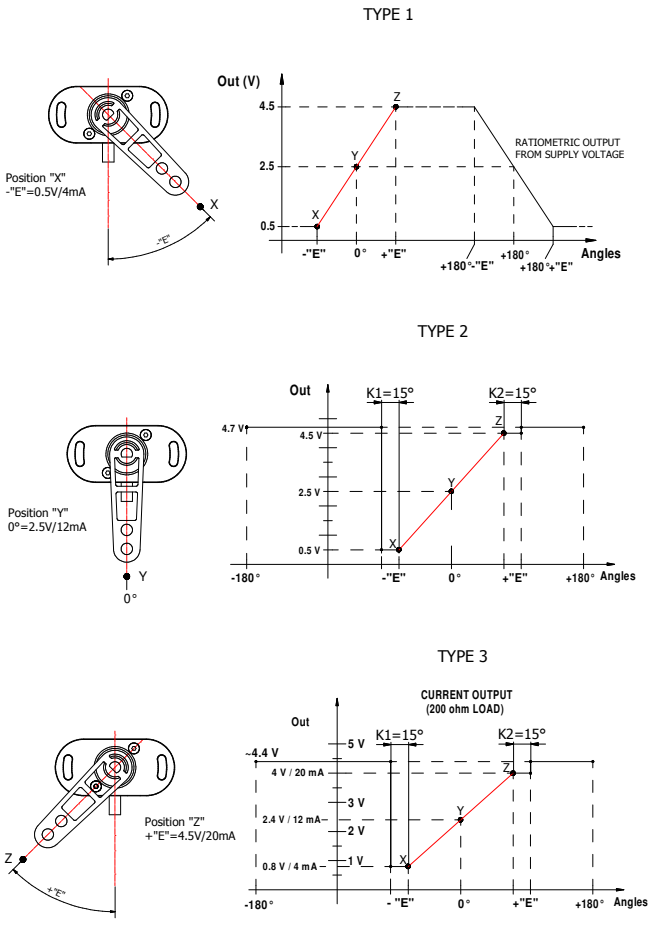


APPLICATIONS

Connection diagrams



Output signal



SPECIFICATIONS

CHARACTERISTICS	TYPE 1	TYPE 2	TYPE 3
Principle of operation:	Hall Effect		
Power supply:	4,5 ÷ 5,5 V	10 ÷ 30 V	
Linear output:	0,5 ÷ 4,5 V (2,5 V @ 0°)		4 ÷ 20 mA (12 mA @ 0°)
Maximum output current:	1 mA	22,5 mA	
Maximum load recommended output:	10 kOhm	200 Ohm	167 Ohm
Resolution over 360°:	< 0,5°		
Precision:	± 1° (± 15°; ± 30°) ± 2 (± 45°; ± 60°)		
Reproducibility:	0,1°		
Hysteresis:	± 0.05 %		
Relative linearity:	± 0,6 %		
Offset voltage:	30 mV		
Offset voltage thermal drift:	- 0,8 mV/°C		
Current sink (no load):	5 mA	10,5 mA	
Capacitive load:	100 nF		
Initial position tolerance:	± 30 mV		± 0,15 mV
Final position tolerance:	± 30 mV		± 0,15 mV
Housing material:	antioxidant treatment aluminium		
shaft material:	stainless steel		
Operating temperature:	- 40 °C ÷ + 105 °C		
Storage temperature:	- 40 °C ÷ + 115 °C		
Overvoltage protection:	6,6 Vcc for 5'	36 Vcc for 5'	
Shortcircuit protection:	to ground and to Vdc for 5'		
Overload protection:	1,2 mA for 5'	27 mA for 5'	
Reverse polarity protection:	- 5,5 Vcc for 1h	- 30 Vcc for 1h	- 30 Vcc for 1h
Transient voltage protected output:	yes; ref. ISO 7637		
Degree of protection:	IP67; ref. IEC 60529		
Vibrations resistance:	1mm/100Hz (~8g); ref. EN 60068-2-6		
EMC compatibility:	BCI CLASS "C" 100mA;1-400 MHz;ref.ISO 11452-4 (2005)		
Output pins are protected against 2000V electrostatic discharge rif. according to hbm : mil-std-883; method 3015.			

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