

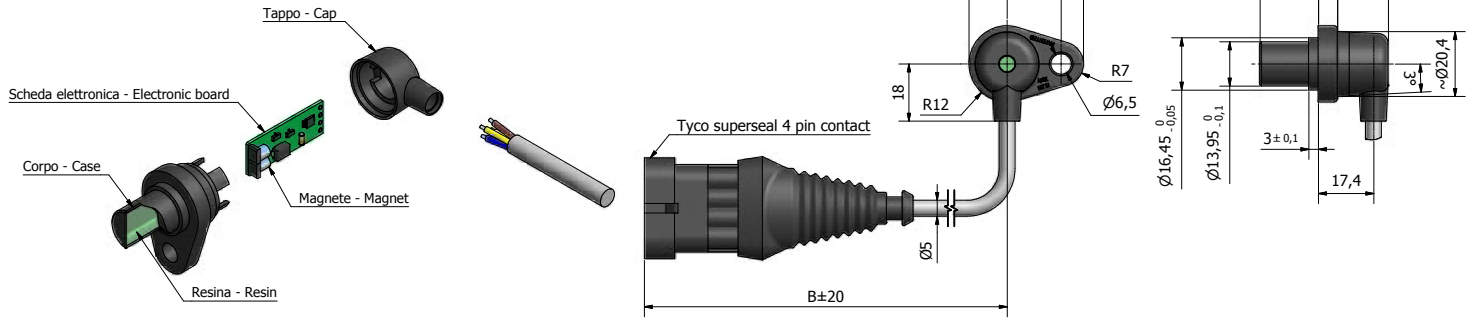
Sensori di prossimità per alberi traslanti

Proximity switch sensors for translating shafts



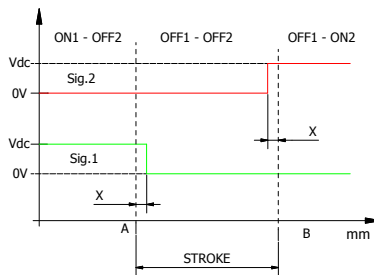
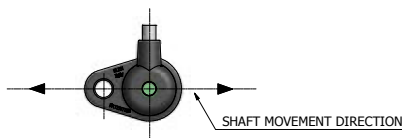
- Sensori ad effetto Hall non a contatto
- Rilevamento dislivelli di materiale ferroso su alberi traslanti
- Non richiedono magneti esterni
- Utilizzabili come alternativa di maggiore affidabilità rispetto ad interruttori on/off a contatto
- Impiegabili in sistemi critici con numero di operazioni del ciclo-vita >2.000.000
- Hall effect contactless sensors
- Height difference in ferrous material shifting shafts
- External magnets not required
- Applicable as an higher reliability alternative for standard on/off (contact type)
- Suitable for the application in critical systems with a typical life-cycle >2.000.000 operations

DIMENSIONS

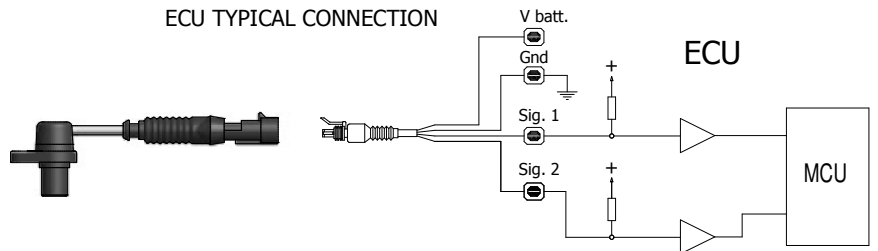


APPLICATIONS

Output signal



ECU TYPICAL CONNECTION

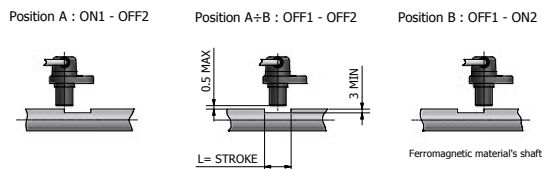


SPECIFICATIONS

CHARACTERISTICS	TYPE 1	TYPE 2
Power supply:	9 ÷ 30 Vdc	9 ÷ 30 Vdc
Output signal:	open collector	open collector
Output current:	max 100 mA for channel	max 100 mA for channel
Current sink:	max 50 mA	max 50 mA
Housing material:	ryton	ryton
Operating temperature:	- 30 °C ÷ + 105 °C	- 30 °C ÷ + 105 °C
Storage temperature:	- 40 °C ÷ + 105 °C	- 40 °C ÷ + 105 °C
Vibrations resistance:	1mm/100Hz (~8g); ref. EN 60068-2-6	1mm/100Hz (~8g); ref. EN 60068-2-6
Response time:	< 20 ms	< 20 ms
Repeatability:	± 0.1 mm	± 0.1 mm
Stroke:	1,4 ± 0,15	1,5 ± 0,5
Degree of protection:	IP67; ref. IEC 60529	IP67; ref. IEC 60529
EMC compatibility:	BCI CLASS "A" 100 mA; 1-400 MHz; ref. ISO 11452-4 (2005)	
Reverse polarity protection:	- 30 Vdc for 1h	- 30 Vdc for 1h
Overload protection:	120 mA for 5'	120 mA for 5'
Overvoltage protection:	36 Vdc for 5'	36 Vdc for 5'
Shortcircuit protection:	to ground for 5'; to Vdc for 5'	to ground for 5'; to Vdc for 5'

Output pins are protected against 2000V electrostatic discharge ref. according to hbm: mil-std-883; method 3015.

TYPE 1



TYPE 2

