

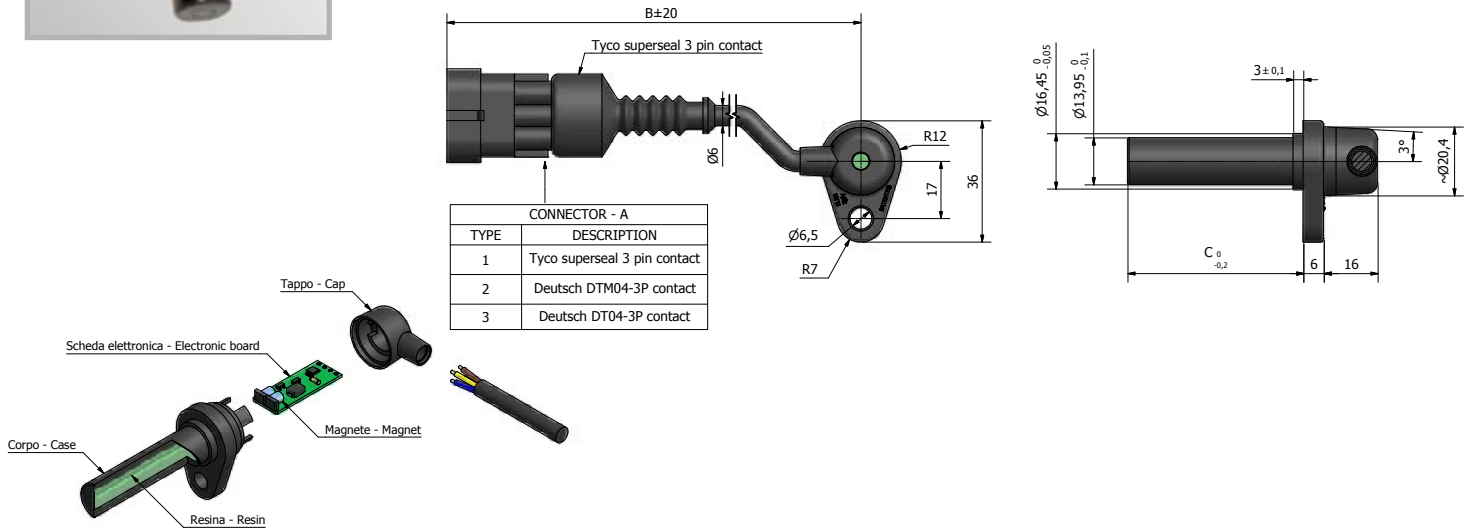
# Sensori di posizione lineare ad effetto Hall per alberi traslanti

## Hall effect linear position sensors for translating shafts



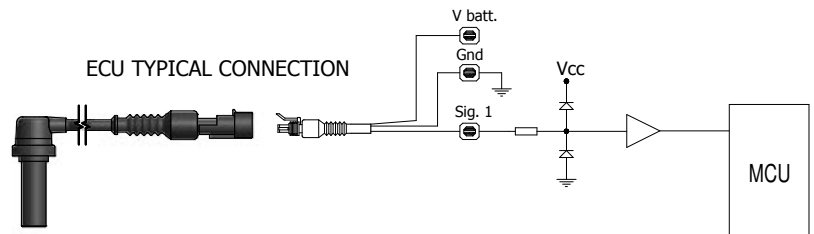
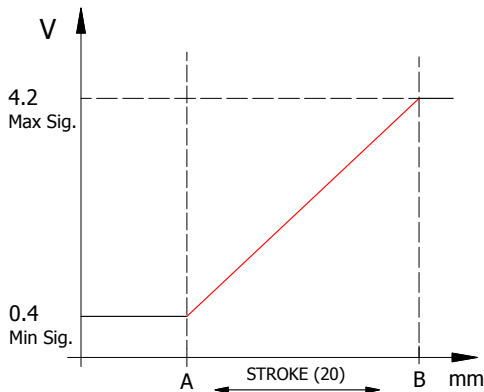
- Rilevamento posizione non a contatto
  - Precisione inferiore a 0,1 mm su corsa max di 20 mm
  - Output range proporzionale: 0,4 ÷ 4,2 V
  - Distanza massima di rilevamento (gap): 1 mm
  - Ideali per rilevare posizione e spostamento di assi traslanti
  - Configurazioni differenti disponibili su richiesta
- Contactless type position detection
  - Precision < 0,1 mm on a max stroke of 20 mm
  - Proportional voltage output range: 0,4 ÷ 4,2 Vdc
  - Max detection distance (air gap): 1 mm
  - Suitable for the detection of position and movement of shifting shafts
  - Customizable configurations on request

### DIMENSIONS



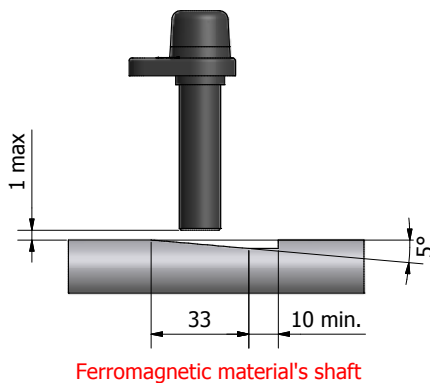
### APPLICATIONS

#### Output signal



#### SENSOR POSITIONING

- The sensor's flange needs to be orientated on the shaft portion that have the maximum metallic mass



### SPECIFICATIONS

CHARACTERISTICS	VALUE
Power supply:	12 Vdc
Output signal:	0,4 ÷ 4,2 Vdc proportional to shaft's movement (max 4 mA)
Current sink:	max 50 mA
Housing material:	nylon
Operating temperature:	- 30 °C ÷ + 110 °C
Storage temperature:	- 40 °C ÷ + 110 °C
Vibrations resistance:	1mm/100Hz (~8g); ref. EN 60068-2-6
Response time:	< 0,1 s
Repeatability:	± 0.1 mm
Degree of protection:	IP67; ref. IEC 60529
Reverse polarity protection:	- 12 Vdc for 1h
Overload protection:	4,8 mA for 5'
Overvoltage protection:	14,5 Vdc for 5'
Shortcircuit protection:	to ground for 5'; to Vdc for 5'

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