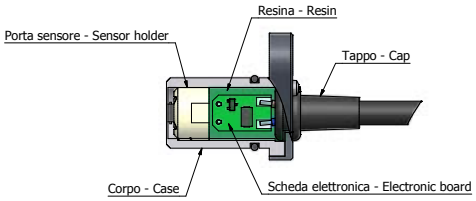
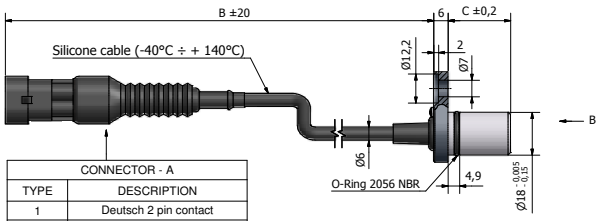
Sensori di velocità magnetoresistivi 2 wires
Magnetoresistive 2 wires speed sensors

- Interconnessione con due fili ad uscita in corrente
- Non necessita di resistenza di pull up
- Low cost
- Impiegabili nei settori automotive, agricolo, movimento terra, industriale, ferroviario, nautico e – su richiesta – militare.

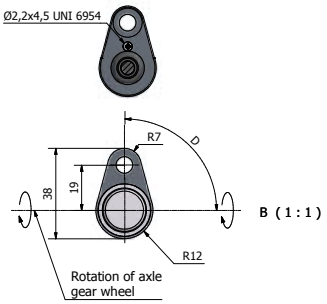
- Two wires interconnection with current output
- Pull-up resistor not required
- Low cost
- Applicable in automotive, agricultural, earth-moving machinery, industrial, railway, nautic and – on demand – military fields.

DIMENSIONS



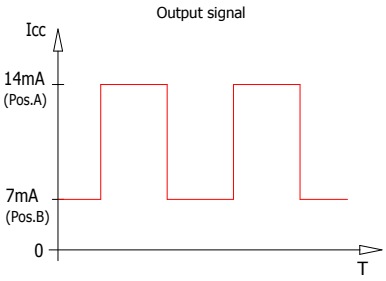


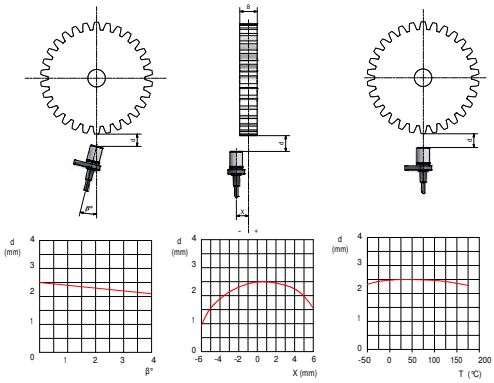
CONNECTOR - A	
TYPE	DESCRIPTION
1	Deutsch 2 pin contact
2	Tyco superseal 2 pin contact

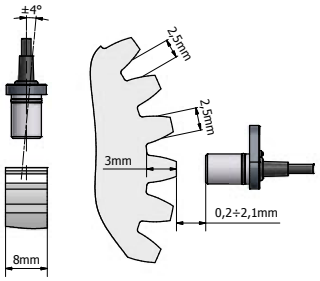


APPLICATIONS

Output signal



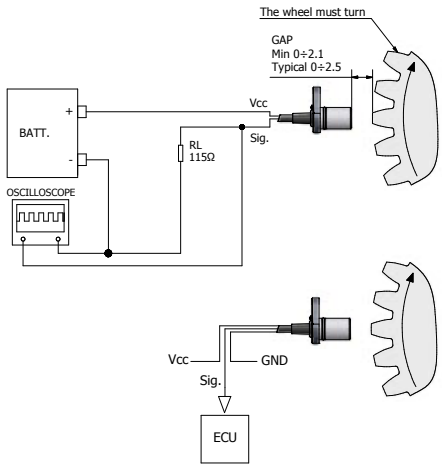


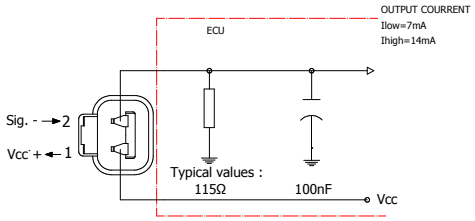


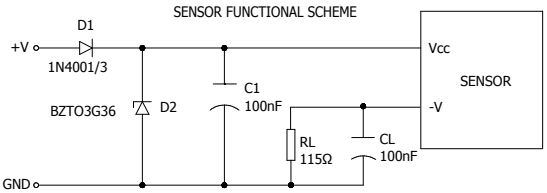
"L'esempio di ruota e gap indicato si riferisce a un profilo fonico di materiale ferroso in uso presso la Elen. L'impiego del sensore su ruota dentata d'ingranaggi con leghe di acciaio e profili diversi richiede certificazione e test da parte della Elen"

"The example of wheel and suitable gap it refers to a phonic profile of ferrous material Elen. To employ the sensor on cogwheel of gears with steel alloys and different profiles certification and test from Elen"

Connection diagrams







SPECIFICATIONS

CHARACTERISTICS	VALUE
Zero speed	
Power supply:	5 ÷ 15 Vdc
output current:	signal low: 5.6 ÷ 8,4 mA; signal high: 11,2 ÷ 16,8 mA
Current sink:	max 16,80 mA @ 12 Vdc
Frequency:	25 kHz
Rise and fall time:	1 us
Resistance:	115 Ohm ± 30 Ohm
Insulation resistance:	10 Mohm (500V)
Housing material:	Aluminium
Operating temprature:	- 40 °C ÷ + 85 °C
Storage temperature:	- 40 °C ÷ + 150 °C
Shortcircuit:	Output protected from continuos short circuit to ground
Degree of protection:	IP67; ref. IEC 60529
Vibrations resistance:	1mm/100Hz (~8g); ref. EN 60068-2-6
Resistance to corrosive environments:	yes; ref, EN 60068-2-11
Output pins are protected against 2000V electrostatic discharge rif. according to hbm : mil-std-883; method 3015.	
ESD tests conducted in line with "IEC 801-2". Test conditions: C = 150pF, R = 150ohm, V = 2kV. Electromagnetic disturbances with fields up to 150 V/m and f = 1GHz have no influence on performance Rif. DIN 40839	

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