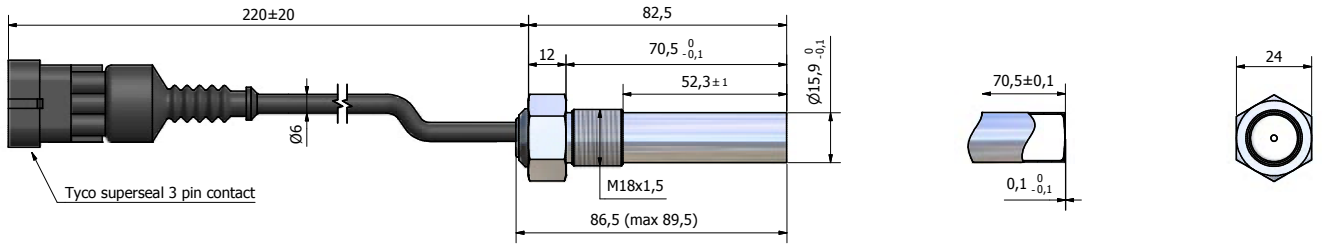
Sensori di velocità ad effetto Hall (2)
Hall effect speed sensors (2)

- Dopo avviamento e su fermo ruota segnale in uscita a livello zero dopo 6 sec.
- Segnale diagnosticabile su stato zero di uscita
- Resistenza di pull-up interna
- Alimentazione da batteria 12 Vdc
- Sono impiegabili nei settori automotive, agricolo, movimento terra, industriale, ferroviario, nautico e – su richiesta – militare.

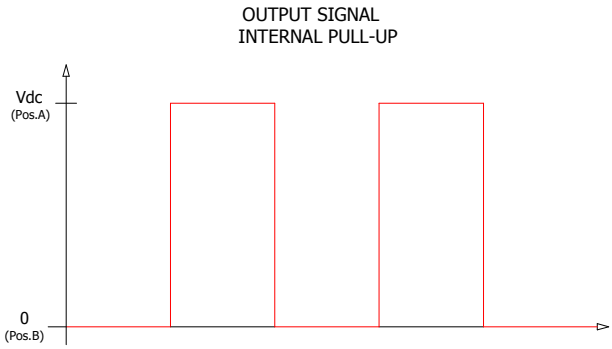
- Output signal at level 0 8,3sec or less after wheel stop
- Possible diagnostics on zero state of output signal
- Internal pull-up resistor
- 12V battery power supply
- Applicable in automotive, agricultural, earth-moving machinery, industrial, railway, nautic and – on demand – military fields

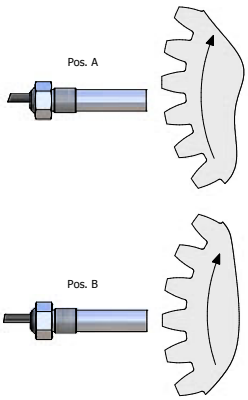
DIMENSIONS

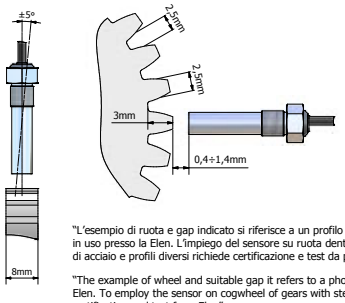


APPLICATIONS

Output signal



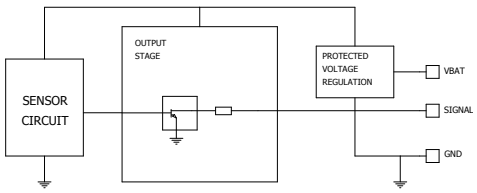




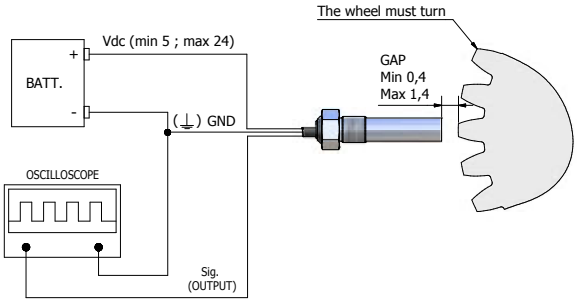
"L'esempio di ruota e gap indicato si riferisce a un profilo fonico di materiale ferroso in uso presso la Elen. L'impiego del sensore su ruota dentata d'ingranaggi con leghe di acciaio e profili diversi richiede certificazione e test da parte della Elen"

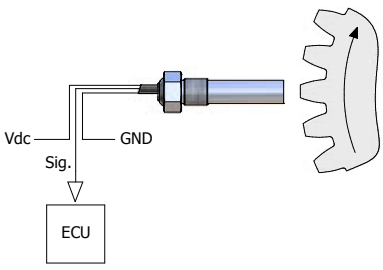
"The example of wheel and suitable gap it refers to a phonic profile of ferrous material used in Elen. To employ the sensor on cogwheel of gears with steel alloys and different profiles needs certification and test from Elen"

SENSOR FUNCTIONAL SCHEME



Connection diagrams





SPECIFICATIONS

CHARACTERISTICS	VALUE
Output current:	max 20 mA
Absorbed current:	30 mA @ 24 Vdc
Return to rest:	≤ 8,3 sec @ 0,3 mm
Output signal (freq.):	internal pull-up
Body materials:	OT58 lathed yellow zinc
Tightening toorque:	25 Nm
Operating temperature:	- 40 °C ÷ + 150 °C;
Storage temperature:	- 65 °C ÷ + 150 °C
Reverse polarity protection:	- 24 Vcc for 1h
Overvoltage protection:	28,8 Vdc for 5□
Shortcircuit protection:	to ground and to power for 5□
Protezione da sovraccarico:	24 mA for 5'
Degree of protection:	IP67; ref. IEC 60529
Vibrations resistance:	1mm/100Hz (~8g); ref. EN 60068-2-6
EMC:	BCI CLASS "C" 100mA;1-400MHz;ref.ISO11452-4 (2005)
Frequenza di lettura:	min: 10 g/min; max 3500 g/min
Resistenza ad ambienti corrosivi:	yes; ref. EN 60068-2-11
Resistenza ad ambienti corrosivi:	SI; rif. EN 60068-2-11
Output pins are protected against 2000V electrostatic discharge according to HBM; rif. MIL-STD-883; method 3015	

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