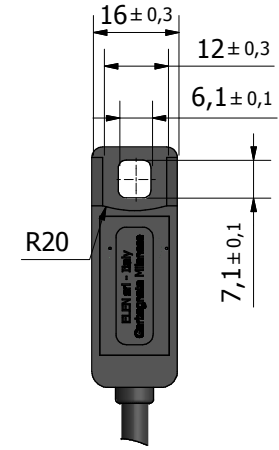
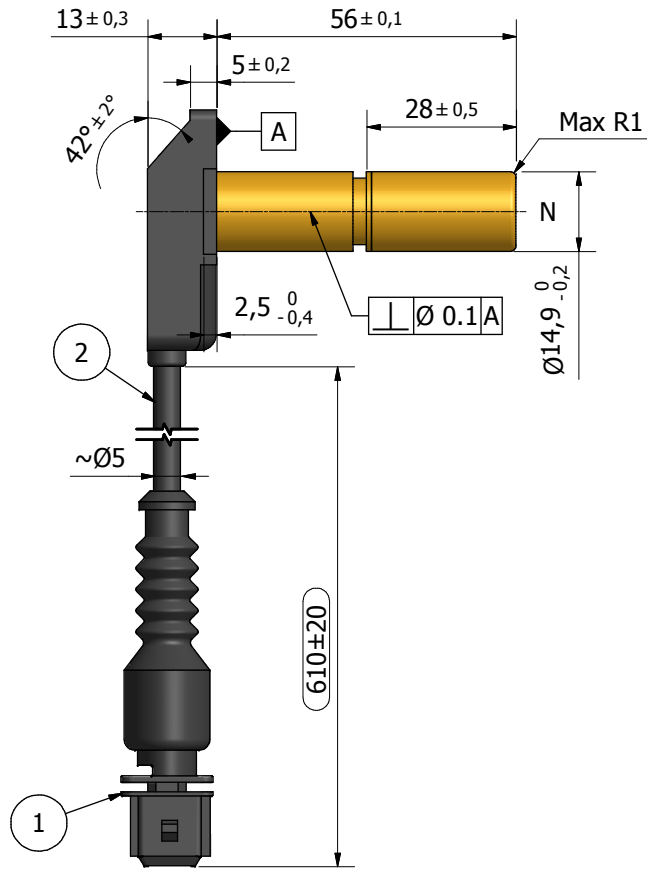
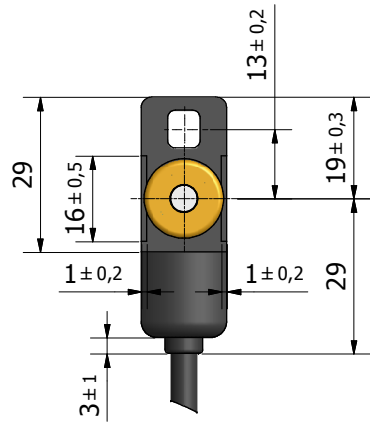
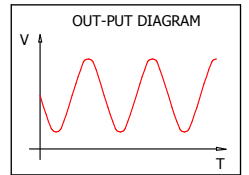
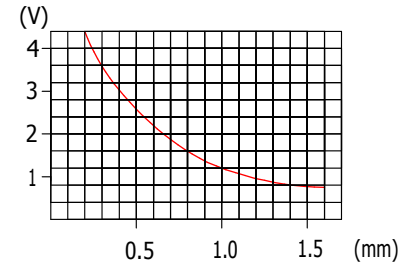


SENSORE INDUTTIVO PER LA MISURA DI GIRI/VELOCITA' IN RUOTE FONICHE O DENTATE
INDUCTIVE SENSOR FOR MEASUREMENT OF SPEED/RPM FROM PHONIC WHEEL OR GEAR WHEEL



RIF.	DESCRIZIONE	TEMPERATURA DI FUNZ. (°C)
1	Tyco JPT 3 pin contact	- 40 / + 125
2	Cavo FROH2R	- 15 / + 90

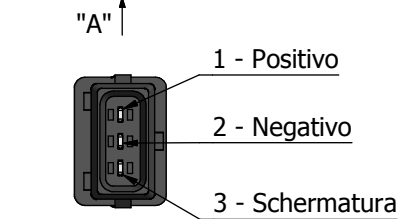


DIMENSIONI MINIME DELLA RUOTA FERROMAGNETICA
MINIMUM FERROMAGNETIC WHEEL SIZE

INCLINAZIONE ASSE DI LETTURA E DISTANZA TRA SENSORE E RUOTA (GAP)
READING AXIS INCLINATION AND DISTANCE BETWEEN SENSOR AND WHEEL (GAP)

CARATTERISTICHE RUOTA DI TEST ELEN
TEST WHEEL ELEN CHARACTERISTICS

z=66
m=2
Øp=132
MATERIALE/MATERIAL= ACCIAIO/STEEL C45



VISTA/VIEW "A"

APPLICAZIONI TIPICHE - SENSORE PER USO AUTOMOTIVE
TYPICAL APPLICATIONS - AUTOMOTIVE SENSOR

SENSORE PER ALBERO A CAMME
CAMSHAFT SENSOR
SENSORE PER RUOTA DENTATA
GEARTOOTH SENSOR
ENCODER LINEARE
LINEAR ENCODER
ENCODER ROTATIVO
ROTARY ENCODER

MATERIALE FERROSO
FERROUS MATERIAL

GAP: MIN=0.2mm
MAX=2mm

REV.	DATA	FIRMA	DESCR. ULT. REV.

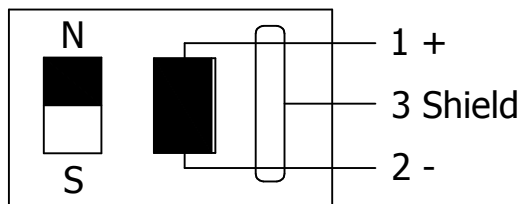
ELEN ELETTRONICA ENGINEERING		ELEN srl Viale Forlanini 71 Garbagnate Milanese (MI)	
DATA: 28/01/2011	SCALA: 1:1	DENOMINAZIONE: Sensore induttivo	
DIS.: Fabio S.	UNITA DI MISURA: mm	CODICE PRODOTTO: AA.02.2100	
		Quote senza indicazione di tolleranza : ISO 2768 - m	

CARATTERISTICHE:

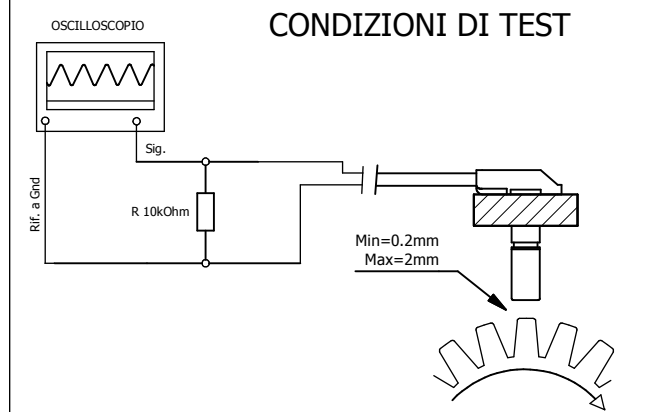
NUMERO SPIRE: 7000±50
RESISTENZA: 920 Ohm ±10%
INDUTTANZA: 810 mH ±15%
PROTEZIONE DA INVERSIONE DI POLARITA'
USCITA SEGNALE: TENSIONE ALTERNATA
GRADO DI PROTEZIONE: IP67
STRESS DA VIBRAZIONE: 1mm/80Hz (~4g)
TEMPERATURA DI UTILIZZO: -40°C ÷ +110°C (+150°C/1h)
TEMPERATURA DI STOCCAGGIO: -40°C ÷ +125°C
FORZA DI SERRAGGIO: 25 Nm
MATERIALE CORPO: OTTONE OT58
MATERIALE FLANGIA: NYLON 6.6 + F.V.

TEMPERATURA DI FUNZIONAMENTO	-40°C ÷ +110°C VALORE RIFERITO AL CASE INSERITO A RIDOSSO DELLA RUOTA	EN 60068-2-1 ; EN 60068-2-2 EN60068-2-30 ; EN 60068-2-14
TEMPERATURA DI STOCCAGGIO	-40°C ÷ +125°C	EN 60068-2-1 ; EN 60068-2-2 EN60068-2-30 ; EN 60068-2-14
RESISTENZA A VIBRAZIONI	1mm/80Hz (~4g)	EN 60068-2-6
GRADO DI PROTEZIONE	IP 67	IEC 60529

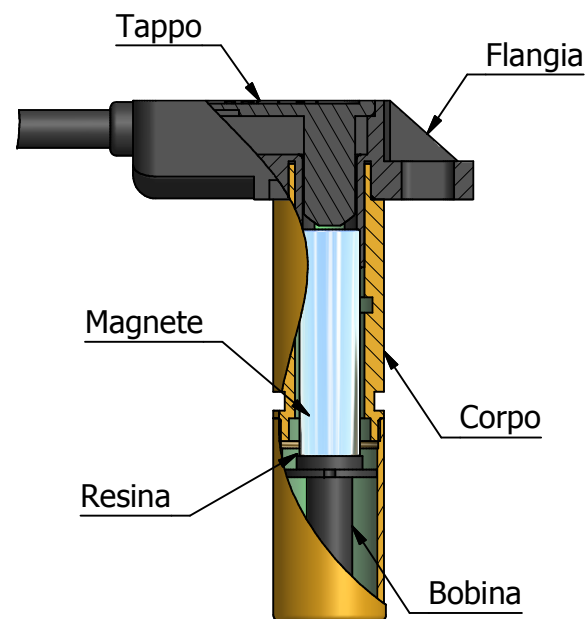
Schema funzionale sensore



CONDIZIONI DI TEST



VISTA IN SEZIONE



NOTE: LA ELEN SI RISERVA DI INSERIRE MIGLIORAMENTI/VARIAZIONI DI PRODOTTO, DANDONE COMUNQUE COMUNICAZIONE AL CLIENTE.
LA ELEN NON SI ASSUME ALCUNA RESPONSABILITA' SULL'USO NON APPROPRIATO DEL PRODOTTO O PER APPLICAZIONI FUORI SPECIFICA.

AA.02.2100

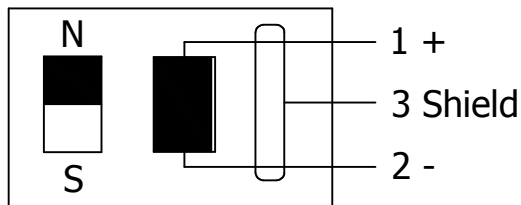
Pag. 2/3

CHARACTERISTICS:

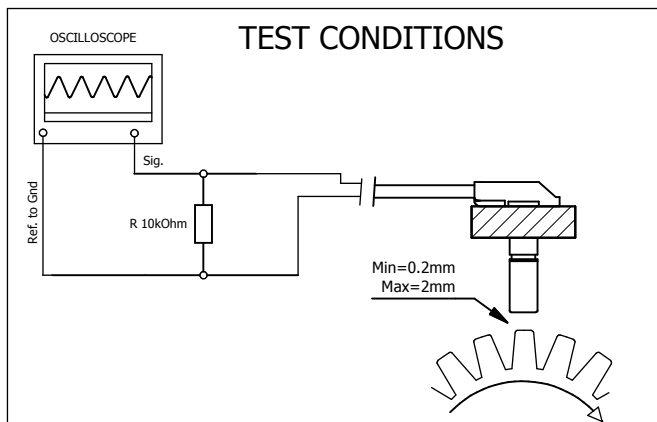
NUMBER OF WINDINGS: 7000±50
 RESISTANCE: 920 Ohm ±10%
 INDUCTANCE: 810 mH ±15%
 PROTECTED BY POLARITY INVERSION
 SIGNAL OUTPUT: ALTERNATING VOLTAGE
 DEGREE OF PROTECTION: IP67
 VIBRATIONAL STRESSES: 1mm/80Hz (~4g)
 OPERATING TEMPERATURE: -40°C ÷ +110°C (+150°C/1h)
 STORAGE TEMPERATURE: -40°C ÷ +125°C
 TIGHTENING TORQUE: 25 Nm
 CASE MATERIAL: BRASS OT58
 FLANGE MATERIAL: NYLON 6.6 + G.F.

OPERATING TEMPERATURE	-40°C ÷ +110°C VALUE REFERRED TO A CASE MOUNTED BEHIND THE WHEEL	EN 60068-2-1 ; EN 60068-2-2 EN60068-2-30 ; EN 60068-2-14
STORAGE TEMPERATURE	-40°C ÷ +125°C	EN 60068-2-1 ; EN 60068-2-2 EN60068-2-30 ; EN 60068-2-14
VIBRATION RESISTANCE	1mm/80Hz (~4g)	EN 60068-2-6
DEGREE OF PROTECTION	IP 67	IEC 60529

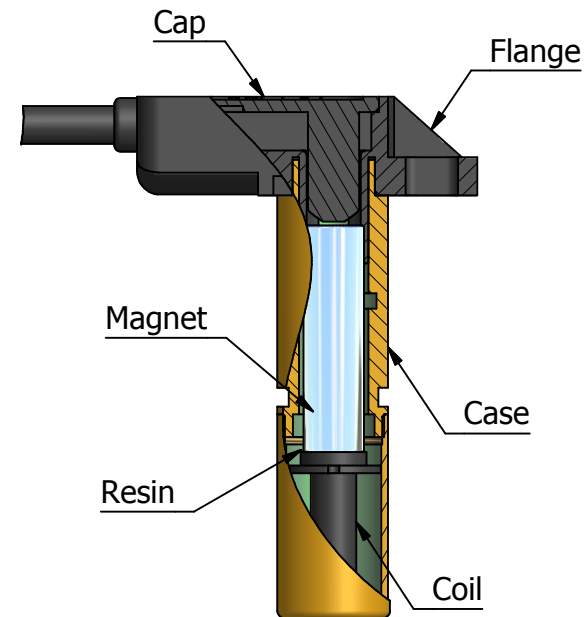
FUNCTIONAL SCHEME



TEST CONDITIONS



SECTIONAL VIEW



NOTES: ELEN SRL RESERVES THE RIGHT TO MAKE MODIFICATIONS/ENHANCEMENTS TO ITS PRODUCTS, GIVING NOTICE TO THE CUSTOMERS.
 ELEN SRL ASSUMES NO LIABILITY FOR NON PROPER USE OF ITS PRODUCTS AND FOR APPLICATIONS OUTSIDE OF THE INDICATED SPECIFICATIONS.