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Speed sensors

Inductive speed sensor with cable

Order number: 0261210104

Incremental measurement of speeds and angles.



Technical Specifications

Cable length with connector	mm	360 ± 15
Speed Range <sup>1)</sup> n	min <sup>-1</sup>	≈ 20 ... 7000
Constant ambient temperature cable zone	° C	- 40 ... + 120
Constant ambient temperature coils zone	° C	- 40 ... + 150
Shaking stress max.	m / s <sup>2</sup>	1200
Number of Turns		4300 ± 10
Winding resistance at 20 ° C <sup>2)</sup>	Ω	860 ± 10%
Inductance at 1 kHz	mH	370 ± 15%
Protection		IP 67
Output voltage <sup>2)</sup> U <sub>A</sub>	V	0 ... 200
Signal frequency		1 ... 2500 Hz

<sup>1)</sup> Based on corresponding pulley.

<sup>2)</sup> change factor  $k = 1 + 0.004 (V_w - 20 \text{ ° C})$ ;  $V_w$  winding temperature.

Accessories

Order

Connector	1928402412
Connector	1928402579

Accessories are ordered separately as required, as this is not included with the sensor.

Dimensional drawings

Speed sensor (principle)

Circuit diagram



Connections:

1 Cable

2 Permanent magnet

3 Sensor housing

4 Housing block

5 Soft-iron core

6 Coil

7 Air gap

8 Toothed wheel with reference mark

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0261210104

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0265006482

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