

GREENLINE DIGITAL VR SPEED SENSORS



Jaquet | Jaquet EV A, Jaquet Greenline

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Sensors > Speed Sensors

The GreenLine EV A series variable reluctance (VR) speed sensors consist of an iron core, an inductive coil, a permanent magnet and an amplifier.



Sensor Type: **Speed Sensor**

Speed Sensor Features: **VR Square Wave Out**

Principle: **Variable Reluctance**

Sensor Housing Material: **Stainless Steel**

Target: **Metal**

A ferrous pole wheel passing the sensor face changes the magnetic field strength, resulting in an AC voltage being induced in the coil.

This signal is converted to a square wave signal with constant amplitude by the integrated amplifier. The frequency of the output signal is proportional to the speed of the moving target.

Features

Product Type Features

Sensor Type	Speed Sensor
Speed Sensor Features	VR Square Wave Out
Principle	Variable Reluctance

Electrical Characteristics

Nominal Supply Voltage (VDC)	5 - 32
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Signal Characteristics

Target	Metal
Target Material	Ferrous
Output Signal	Square Wave
Frequency Range (kHz)	.025 - 20

Housing Features

Sensor Housing Material	Stainless Steel
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Housing Ambient Temperature (°C)	-40 - 125
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Usage Conditions

Cable Ambient Temperature (°C)	-40 - 125
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Connector Ambient Temperature (°C)	-40 - 125
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Reference Number

TE Internal Number	CAT-SPS0008
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Related Materials

Data Sheet

[Greenline EV58AMxx](#)

English

Data Sheet

[Greenline EV58Sxx](#)

English

Catalog Pages/Data Sheets

[EV58AM](#)

PDF

English

Catalog Pages/Data Sheets

[EV58AM25](#)

PDF

English

Catalog Pages/Data Sheets

[EV58AM30](#)

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Catalog Pages/Data Sheets

[EV58AM40](#)

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English

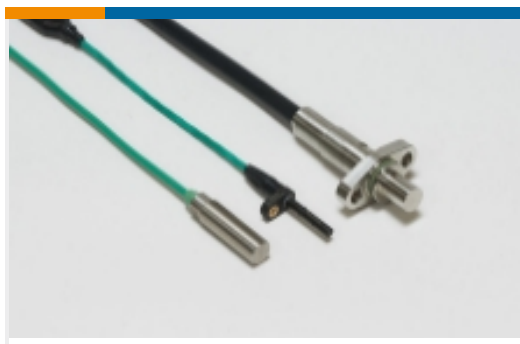
Catalog Pages/Data Sheets

[EV58S](#)

PDF

English

Also in the Series | [Jaquet EV A](#)



Speed Sensors(1)

Also in the Series | [Jaquet Greenline](#)



Speed Sensors(5)