

HALL EFFECT SPEED SENSORS



Jaquet | Jaquet DSF

[View on TE.com >](#)

Sensors > Speed Sensors

The DSF series speed sensors are suitable for use with a pole wheel to generate speed proportional frequency signals.



Sensor Type: **Speed Sensor**

Speed Sensor Features: **Variable Reluctance**

Principle: **Variable Reluctance**

Sensor Housing Material: **Stainless Steel**

Target: **Metal**

They exhibit dynamic behavior, whereby pulse generation down to 0.05 Hz is guaranteed.

The sensing element is a magnetically biased Hall device, followed by an amplifier having a trigger characteristic and short circuit proof output stage.

Features

Product Type Features

Sensor Type	Speed Sensor
Speed Sensor Features	Variable Reluctance
Principle	Variable Reluctance

Electrical Characteristics

Electromagnetic Compatibility	2004/108/EC, 2014/108/EC, 2014/30/EU, 89/336/EG, EN 50081-2, EN 61000-6-4, EN50082-2, IEC 61000-6-2, IEC 61000-6-4
Nominal Supply Voltage (VDC)	8 - 28, 9 - 18, 10 - 30

Signal Characteristics

Target	Metal
Target Material	Ferrous
Output Signal	2-Wire, Square Wave
Frequency Range (kHz)	Up to 15, Up to 20

Housing Features

Sensor Housing Material	Stainless Steel
-------------------------	-----------------

Housing Ambient Temperature (°C)	-40 - 125
----------------------------------	-----------

Usage Conditions

Cable Ambient Temperature (°C)	-40 - 125
--------------------------------	-----------

Connector Ambient Temperature (°C)	-40 - 125
------------------------------------	-----------

Reference Number

TE Internal Number	CAT-SPS0015
--------------------	-------------

Related Materials

Data Sheet

[DSF xx15.xx xHV Series](#)

English

Data Sheet

[DSF xx10.xx xHV Ex-atex](#)

English

Data Sheet

[DSF xx15.xx xHV Ex-atex](#)

English

Data Sheet

[DSF xx10.xx AxV](#)

English

Catalog Pages/Data Sheets

[DSF xx10.xx AxV](#)

PDF

English

Catalog Pages/Data Sheets

[DSF xx10.xx xHV Ex-atex](#)

PDF

English

Catalog Pages/Data Sheets

[DSF xx15.xx xHV Ex-atex](#)

PDF

English

Catalog Pages/Data Sheets

[DSF xx15.xx xHV Series](#)

PDF

English

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



Speed Sensors(1)