



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX DEK 19.0049X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2020-08-20\)](#)
Date of Issue: 2022-06-16
Applicant: **Magnetic Sensors Corporation**
1365 North McCan Street
Anaheim, CA 92806
United States of America
Equipment: **Variable Reluctance Speed Sensors, Type 401xxx-xx**
Optional accessory:
Type of Protection: **Ex db**
Marking: Ex db IIC T4 or 105 °C Gb

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2022-06-16

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Issue No: 1

Manufacturer: **Magnetic Sensors Corporation**
1365 North McCan Street
Anaheim, CA 92806
United States of America

Manufacturing locations: **Magnetic Sensors Corporation**
1365 North McCan Street
Anaheim, CA 92806
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR19.0057/01](#)

Quality Assessment Report:

[NL/DEK/QAR14.0015/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Variable Reluctance Speed Sensors, Type 401xxx-xx, automatically generate a low-energy electrical signal that has a frequency directly proportional to the wheel speed of a rotating gear. The complete equipment is in type of protection flameproof enclosures "d".

Ambient temperature range -40 °C to +100 °C

For more information see Annex 1 to report no. NL/DEK/ExTR19.0057/01.

SPECIFIC CONDITIONS OF USE: YES as shown below:

An Ex d certified sealing device such as a conduit seal with setting compound shall be provided immediately to the entry hole of the speed sensor. The setting compound in the conduit seal shall be suitable for at least 120 °C.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Addition of new model nos.
2. Change minimum ambient temperature rating
3. Remove model nos.
4. Minor documentation updates

Annex:

[383130800-Annex 1.pdf](#)