

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 04ATEX2057 X** Issue Number: **5**

(4) Product: **Variable Reluctance Speed Sensors, Type 401xxx-xx**

(5) Manufacturer: **Magnetic Sensors Corporation**

(6) Address: **1365 North McCan Street, Anaheim, CA 98206, USA**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR19.0057/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-1 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex db IIC T4 or 105 °C Gb

Date of certification: 16 July 2022

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 04ATEX2057 X**

Issue No. 5

(15) **Description**

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.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR19.0057/01.

(17) **Specific conditions of use**

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.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR19.0057/01.

(20) **Certificate history**

Issue 1 - 206137700	Initial certificate
Issue 2 - 210842500	Assessment to 60079 standards; addition of new model options
Issue 3 - 215719400	Assessment to EN 60079-0:2009 and EN 60079-1:2007
Issue 4 - 382542600	Assessment to EN IEC 60079-0:2018 and EN 60079-1:2014, update T class
Issue 5 - 383130800	Addition of new model nos., change minimum ambient temperature rating, remove model nos., minor documentation updates