IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx TUN 13.0011X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2014-07-09**	Page 1 of 3

Applicant: **SUMMIT Electronics ApS**
Stamholmen 147
2650 Hvidovre
Denmark

Electrical Apparatus: **High Pressure Housing for Magnetic Position Sensor**
Optional accessory:

Type of Protection: **Flameproof enclosure and Protection by enclosure**

Marking: Ex db IIC T5 Gb
Ex td IIIC T100°C Db

Approved for issue on behalf of the IECEx Certification Body: Karl-Heinz Schwedt

Position: Head of the IECEx Certified Body

Signature:
(for printed version)

Date: 2014-07-09

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 the Official IECEx Website.

Certificate issued by:

TÜV NORD CERT GmbH
Hanover Office
Am TÜV 1
30519 Hannover
Germany

IECEx Certificate of Conformity

Certificate No.: IECEx TUN 13.0011X

Date of Issue: **2014-07-09** Issue No.: **0**

Manufacturer: **Summit Electronics ApS**
Stamholmen 147
2650 Hvidovre
Denmark

Additional Manufacturing location (s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical 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:
DE/TUN/ExTR13.0015/00

Quality Assessment Report:

DE/TUN/QAR11.0005/00 DE/TUN/QAR11.0005/01

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

High Pressure Housing for Magnetic Position Sensors.

The High Pressure Housing is designed for use with a Magnetic Position Sensor, Model HPH-abcd-efgh-i-s. The enclosure is designed in AISI 316L or 304 Stainless steel, with a probe which can be placed in Category 1

CONDITIONS OF CERTIFICATION: YES as shown below:

- Ambient temperatures are -40 °C to +75 °C
- Only suitable certified cable glands may be used
- Routine Overpressure tests according to EN 60079-1:2007 shall be performed with a minimum overpressure of 29 bar
- For ambient temperatures below -10 °C use field wiring cable suitable for both minimum and maximum ambient temperatures.
- May in addition be marked T3
- When used in Dust environment, end-user must ensure overcurrent protection rated less than 250 mA according to cl. 4.2.1.2 of IEC 60079-31