



## Translation

### (1) **EU-Type Examination Certificate**

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

(3) **Certificate Number** TÜV 02 ATEX 1842 X **Issue:** 00

(4) for the product: Motion sensor type KITAS2171

(5) of the manufacturer: **Continental Automotive GmbH**

(6) Address: Heinrich-Hertz-Str. 45  
78052 Villingen-Schwenningen  
Germany

Order number: 8003031438

Date of issue: See date of signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 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 the confidential ATEX Assessment Report No. 21 203 294743.

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

**EN IEC 60079-0:2018/AC:2020-02**

**EN 60079-11:2012**

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 for 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 equipment. These are not covered by this certificate.

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

 II 2 G Ex ib IIC T4 Gb

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

Roder

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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate No. TÜV 02 ATEX 1842 X Issue 00**

(15) **Description of product**

The motion sensor type KITAS2171 is used together with an EC control unit type DTCO1381 or type MTCO 1324 to monitor vehicles transporting flammable liquids. The motion sensor type KITAS2171 is installed on the transmission unit of the vehicle and supplies the EC control unit with motion pulses. The explosion protection of the motion sensor type KITAS2171 is given when the vehicle stands still.

**Type keys:**

KITAS2171.0x xx xx 01 (sensor element Hall IC, fully potted)

KITAS2171.20 xx xx 01 (sensor element Hall IC, partially potted, electronic solution)

**Technical data:**

Supply and signal circuits  
(Connections on the plug connector)

In type of protection intrinsic safety Ex ib IIC.  
Only for the connection to the intrinsically safe circuits of the tachograph type DTCO1381 or MTCO1324 according to the EU type examination certificate TÜV 03 ATEX 2324 X and TÜV 02 ATEX 1850 X.

A cable length of 20 m is permissible for the interconnection.

Permissible ambient temperature range:

For 2171.20 xx:  $-30\text{ °C} \leq T_a \leq +120\text{ °C}$

For 2171.0x:  $-30\text{ °C} \leq T_a \leq +105\text{ °C}$

(16) Drawings and documents are listed in the ATEX Assessment Report No. 21 203 294743

(17) Specific Conditions for Use

The motion sensor type KITAS2171 is a small piece of equipment which cannot be labelled with all information according to EN IEC 60079-0:2018, EN 60079-11:2012 and Directive 2014/34/EU. Therefore, all relevant data is given in the operating and installation instructions.

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -