



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 17 ATEX 213275 X **Issue:** 02

(4) for the product: Motion sensor Typ KITAS 4.0 2185.20 xx xx 01

(5) of the manufacturer: Continental Automative GmbH

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

Order number: 8003031433

Date of issue: 2021-08-12

(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 294742.

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

EN IEC 60079-0:2018 **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, Langemarckstraße 20, 45141 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 deputy head of the notified body

Heinen

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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate No. TÜV 17 ATEX 213275 X Issue 02**

(15) Description of product

The motion sensor type KITAS 4.0 2185.20 xx xx 01 is used with the EC-control device for the monitoring of vehicles for the transport of dangerous goods.

The motion sensor will be installed on the gear unit of the vehicles and supply the EC-control device with motion impulses. The explosion protection of the motion sensor type KITAS 4.0 2185.20 xx xx 01 is given if the vehicle stands still.

Type designation:

KITAS 4.0 2185.20 xx xx 01

The characters x describe different versions, which have no influence to the explosion protection of the device.

Technical data:

Electrical data

supply and signal circuits (connection by the plug)	in type of protection Intrinsic Safety Ex ib IIC only for connection to the intrinsic safety circuits of the EC-control device type DTCO 1381 according EU-Type Examination Certificate TÜV 03 ATEX 2324 X
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A cable length of 20 m is permissible for the interconnection.

The intrinsic safety circuits are to be safety separated from earth potential.

The permissible ambient temperature range is - 40°C ... 120°C.

(16) Drawings and documents are listed in the ATEX Assessment Report No. 21 203 294742

(17) Specific Conditions for Use

1. The device is a small equipment which can't be marked with all information according EN IEC 60079-0:2018, EN 60079-11:2012 and directive 2014/34/EU. By this fact all relevant data are to be named in the operating and installation instruction.
2. The motion sensor KITAS 4.0 2185.20 xx xx 01 shall only be operated in explosion areas if the battery master switch (main switch HS) is open, the supply is given from the EU-control device type DTCO 1381 and the vehicle stands still.
3. The device is evaluated according EN 60079-11:2012, annex F. The enclosure fulfills the requirements of IP54 according EN 60529 and the tests for enclosures according EN IEC 60079-0:2018 were taken.

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -

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