

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**

UK TYPE EXAMINATION CERTIFICATE

2 **Product or Protective System Intended for use in Potentially Explosive Atmospheres**
SI 2016:1107 (as amended) – Schedule 3A, Part 1

- 3 Type Examination Certificate No.: **EMA21UKEX0030X**
- 4 Product: **Motion sensor Typ KITAS 4.0 2185.20 xx xx 01**
- 5 Manufacturer: **Continental Automotive GmbH**
- 6 Address: **Heinrich Hertz Straße 45, 78052 Villingen-Schwenningen, Germany**
- 7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Element Materials Technology, Approved Body number 0891, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, SI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential report **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 section 18 of the schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.
- 11 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 12 The marking of this product shall include the following:
- Ex II 2 G Ex ib IIC T4 Gb Ta - 40 °C to 120 °C**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the Element Materials Technology Ex Certification Scheme.

S.P. Winsor
S P Winsor, Certification Manager

Issue date: 2022-03-14

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CSF341 4.0

13 SCHEDULE TO UK TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER EMA21ATEX0030X

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)

Ex type of protection Intrinsic Safety Ex ib IIC
only for connection to the intrinsic safety circuits
of the EC-control device type DTCCO 1381 according
UKEX-Type Examination Certificate EMA21UKEX0029X

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 to 120 °C.

16 Test report No. (associated with this certificate issue): 21 203 294742.

17 Specific Conditions of Use

1. The device is a small equipment which can't 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 be named in the operating and installation instruction.
2. The motion sensor KITAS 4.0 2185.20 xx xx 01 shall only operate in explosion areas if the battery master switch (main switch HS) is open, the supply is given from the EU-control device type DTCCO 1381 and the vehicle stands still.
3. The device is evaluated according EN 60079-11:2012, annex F. The enclosure fulfils the requirements of IP54 according EN 60529 and the tests for enclosures according EN IEC 60079- 0:2018 were be taken.



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.

18 Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant test reports.

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19 Drawings and Documents

The list of controlled technical documentation is given in Appendix A to this schedule.

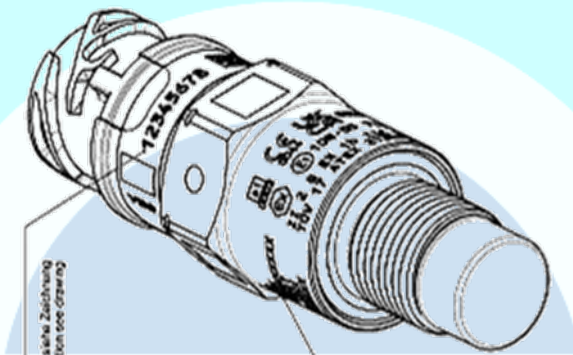
20 Routine Tests

None.

21 Specific Conditions for Manufacture

None.

22 Photographs



23 Details of Markings

<p>e1 0002</p> <p>CE UK NBEU CA NBUK</p> <p>Ex E1 10R-05 7762</p> <p>II 2 G EX ib IIC T4 Gb TOV 17 ATEX 213275 X</p>	<p>torque max. 40Nm RX.XX</p> <p>Continental D-78052 Villingen EMA21UKEX0030X</p>	<p>2185.20</p> <p>XXXXXXXXXX XXXXXXXXXXXXXXXXXX WYY TEST No.:XXXXXXXX A2CXXXXXXXXXX</p>
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24 Certificate History

Original certificate 2022-03-14 First issue.

This certificate is a consolidated certificate and reflects the latest status of the certification, including all variations and amendments.

25 Notes to UKCA marking

In respect of UKCA Marking, Element Materials Technology accepts no responsibility for the compliance of the product against all applicable Regulations in all applications.

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26 Notes to this certificate

Element Materials Technology certification reference: TRA-054818-00 i1 (GU-TUNQ-0017).

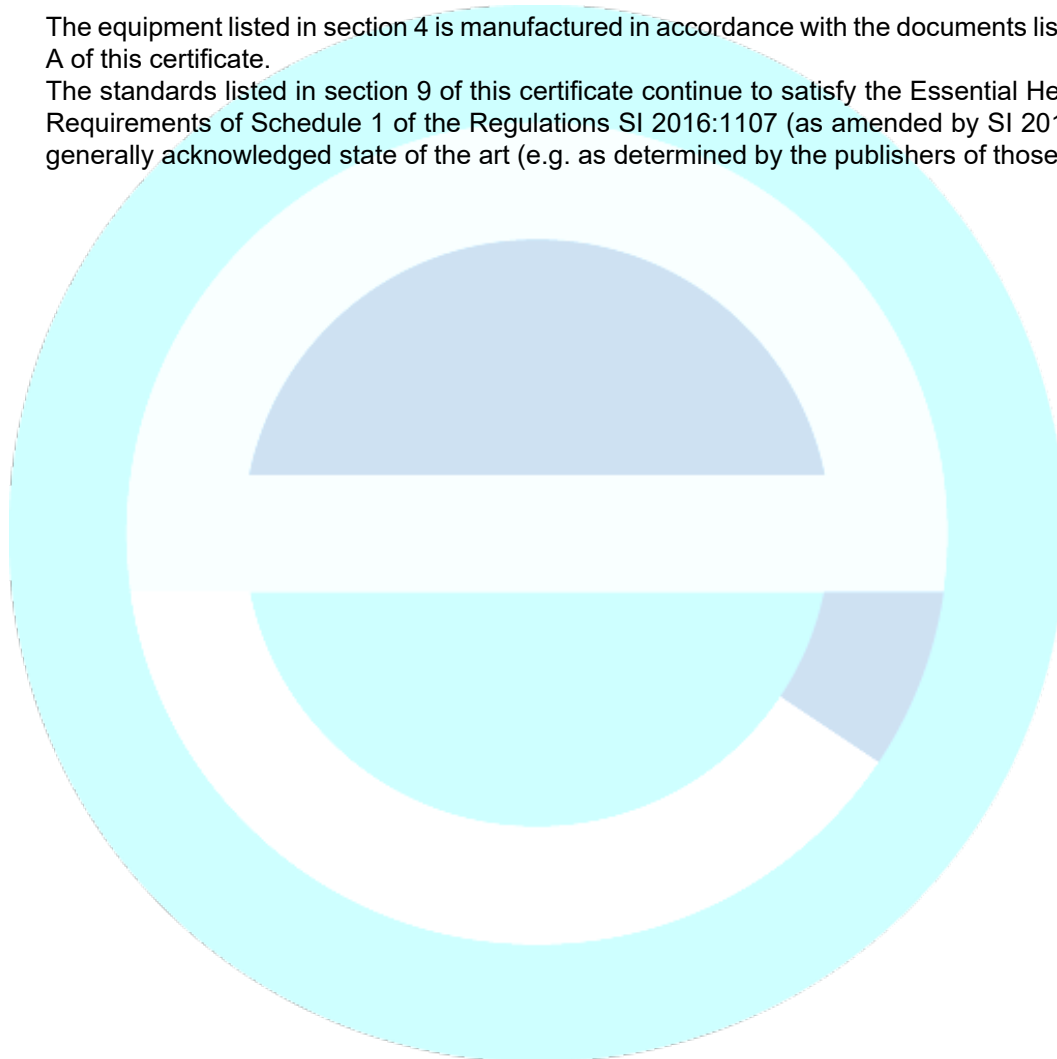
Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

Approved Body 0891 is the designation for Element Materials Technology Warwick Ltd.

27 Conditions for the validity of this certificate

This certificate remains valid for so long as:

- (i) The equipment listed in section 4 is manufactured in accordance with the documents listed in Appendix A of this certificate.
- (ii) The standards listed in section 9 of this certificate continue to satisfy the Essential Health and Safety Requirements of Schedule 1 of the Regulations SI 2016:1107 (as amended by SI 2019:696) and the generally acknowledged state of the art (e.g. as determined by the publishers of those standards).



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APPENDIX A - TECHNICAL DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
Element list of scheduled drawings for this certificate	Scheduled drawings list for EMA21UKEX0030X	1	2022-03-11

