

EU-TYPE EXAMINATION CERTIFICATE

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- Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
- EU-Type Examination Certificate Number: ITS18ATEX103784 Issue 0**
- Product: Truck Earthing System TES01-V2/Ex**
- Manufacturer: StuvEx International N.V.**
- Address: Heiveldeken 8
B-25550 Kontich
Belgium**
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 Intertek Report Ref 103427998LHD-003 Issue 0, dated 03 June 2019.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
- 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.
- The marking of the product shall include the following:



II 2(1)GD

Ex db [ia Ga] IIC T6 Gb

Ex tb [ia Da] IIIC T85°C Db

-30°C ≤ Ta ≤ +54°C

Certification Officer: _____ **Date:** 11 June 2019
V K Varma

SCHEDULE:

EU-Type Examination Certificate Number: ITS18ATEX103784 Issue 0

13. Description of Equipment or Protective System

The StuvEx Truck Earthing System TES01-V2/Ex is used for continuous checking with use of earthing clamps, the earthing or grounding of a tanker truck or any other mobile container to prevent explosion occurrence due to electrostatic charges. The Truck Earthing System TES01-V2/Ex can safely discharge the truck or other metallic subject and monitor the earth connection. Safe discharge and proper earth connection are indicated by the indicator light and conveying process is initiated by the interlock volt free contacts within the equipment enclosure. The equipment enclosure is flameproof and certified under IECEx CES 14.0012U.

The maximum voltage of $U_m = 253 \text{ V}$ can be applied to supply the equipment and on the interlock terminals. The maximum current on the interlock contacts is 1 A r.m.s. The connection to the earthing clamps is provided within equipment and is protected by intrinsic safety with following parameters:

$U_o = 6.3\text{V}$
 $I_o = 0.372\text{A}$
 $P_o = 0.59\text{W}$
 $C_i = 21\mu\text{F}$
 $L_i = 0$
 $C_o = 10\mu\text{F}$
 $L_o = 230\mu\text{H}$

14. Report Number

Intertek Report Ref No. 103427998LHD-003 Issue 0, dated 03 June 2019.

15. Special Conditions of Certification

- (a). Specific Conditions of Safe Use
 - None.
- (b). Conditions of Manufacture - Routine Tests
 - None.

SCHEDULE:

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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref No. 103427998LHD-003 Issue 0, dated 03 June 2019.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Electrical / mechanical assembly Truck Earthing System TES-01/Ex (sheets 1 of 3)	ID1671	1.2	1/5/19
Electrical / mechanical assembly Truck Earthing System TES-01/Ex (sheets 2 of 3)	ID1671	1	8/11/18
Electrical / mechanical assembly Truck Earthing System TES-01/Ex (sheet 3 of 3)	ID1671	2	14/5/19
Engraved Panel for Truck Earthing System TES-01/Ex	400-222	2	13/5/19
ATEX / IECEx Label for Truck Earthing System TES01-V2/Ex	400-223	2	14/5/19
Installation Drawing – TES01-V2/Ex	ID1676	3	3/6/19