



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX ITS 18.0042** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2019-06-11
Applicant: **StuvEx International N.V.**
Heiveldekens 8
B-25550 Kontich
Belgium
Equipment: **Truck Earthing System TES01-V2/IP**
Optional accessory:
Type of Protection: **intrinsic safety "i", dust ignition protection "t"**
Marking: StuvEx
IECEX ITS 18.0042
Ex db [ia Da] IIIC T135°C Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

V K Varma

Position:

Certification Officer

Signature:
(for printed version)

Date:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom



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Manufacturer: **StuvEx International N.V.**
Heiveldekens 8
B-25550 Kontich
Belgium

Additional
manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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:

[GB/ITS/ExTR18.0041/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0026/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The StuvEx Truck Earthing System TES01-V2/IP 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/IP 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 certified under IECEx PTB 09.0035U in accordance with IEC 60079-0:2007 Ed 5, IEC 60079-7:2006 Ed 4 and IEC 60079-31:2008 Ed 1.

The maximum voltage of $U_m = 253$ 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:

$U_o = 6.3$ V
 $I_o = 0.372$ A
 $P_o = 0.59$ W
 $C_i = 21$ μ F
 $L_i = 0$
 $C_o = 10$ μ F
 $L_o = 230$ μ H

SPECIFIC CONDITIONS OF USE: NO

Annex:

[Annex for IECEx ITS 18.0042.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 18.0042	Issue No. 0
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*Drilling Drawing – TES01-V2/IP Enclosure	400-219	1	7/11/18
*Screen Printing Drawing – TES01-V2/IP Enclosure	400-220	2	14/5/19
*ATEX / IECEx Label for Truck Earthing System TES01-V2/IP	400-221	2	14/5/19
*Wiring Diagram – Truck Earthing System TES01-V2/IP (sheet 1 of 2)	ID1669	1	13/11/18
*Wiring Diagram – Truck Earthing System TES01-V2/IP (sheet 2 of 2)	ID1669	1.1	1/5/19
*Final Assembly Drawing for TES01-V2/IP	ID1670	2	14/5/19
*Electrical Installation – TES01-V2/IP	ID1674	2	3/6/19
*Mechanical Installation Drawing – TES01-V2/IP	ID1675	2	14/5/19

Note: An * is included before the title of documents that are new or revised.