



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx DEK 13.0028	Issue No: 1	Certificate history: Issue No. 1 (2013-11-25) Issue No. 0 (2013-05-28)
Status:	Current	Page 1 of 4	
Date of Issue:	2013-11-25		
Applicant:	TechNed Benelux B.V. Veersteeg 15 4212 LR Spijk The Netherlands		
Electrical Apparatus:	Terminal boxes		
Optional accessory:			
Type of Protection:	Ex e [ia] tb		
Marking:	Ex e IIC T5 or T6 Gb Ex e [ia Ga] IIC T5 or T6 Gb Ex tb IIC T80 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

T. Pijpker

Position:

Certification Manager

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 the [Official IECEx Website](#).

Certificate issued by:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **TechNed Benelux B.V.**
Veersteeg 15
4212 LR Spijk
The Netherlands

Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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

[NL/DEK/ExTR13.0027/00](#)

[NL/DEK/ExTR13.0027/01](#)

Quality Assessment Report:

[NL/DEK/QAR11.0036/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

SS316L Terminal boxes Series TB-JB-R..., for fixed installation, made of stainless steel, for mounting of separately certified terminal blocks for non-intrinsically and intrinsically safe circuits. For intrinsically safe circuits, the area for the terminals is marked, e.g. by a light blue colour.

Ambient temperature range -40 °C to +50 °C. The temperature class T5/T6 is based on the temperature of the terminals mounted in the enclosure. The maximum surface temperature T80 °C of the enclosure is based on a maximum ambient temperature of 40 °C.

The electrical data depend on the built-in terminals and are taken from the applicable certificates and manufacturers data.

Rated voltage: max. 700 V

Rated current: max. 500 A

Conductor cross section: 1,5 - 240 mm²

Degree of protection: IP66 to IEC 60529; with breathing and draining device IP55.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Name change of manufacturer