



# 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](http://www.iecex.com)

Certificate No.: IECEx KEM 07.0034 issue No.:0 History:

Status: **Current**

Date of Issue: **2007-07-19** Page 1 of 4

Applicant: **BETA B.V.**  
Verrijn Stuartlaan 22-24  
2288 EL Rijswijk  
The Netherlands

Electrical Apparatus: **Pressure, Differential Pressure and Temperature Switches Series W.-**  
*Optional accessory:*

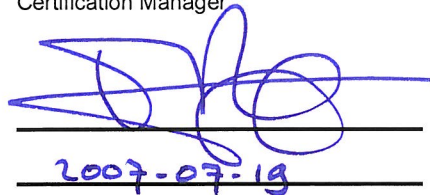
Type of Protection: **d and tD**

Marking: **Ex d IIC T6 or Ex d IIC T5**  
**Ex tD A21 T100 °C IP 66**

*Approved for issue on behalf of the IECEx* T. Pijker  
*Certification Body:*

*Position:* Certification Manager

*Signature:*  
*(for printed version)*

  
\_\_\_\_\_

*Date:*

2007-07-19

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](http://www.iecex.com).

Certificate issued by:

**KEMA Quality B.V.**  
Utrechtseweg 310  
6812 AR Arnhem  
The Netherlands





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Manufacturer: **BETA B.V.**  
Verrijn Stuartlaan 22-24  
2288 EL Rijswijk  
The Netherlands

Manufacturing location(s):

**BETA B.V.**  
Verrijn Stuartlaan 22-24  
2288 EL Rijswijk  
The Netherlands

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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/KEM/ExTR06.0054/00](#)

Quality Assessment Report:

[NL/KEM/QAR06.0021/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Pressure, Differential Pressure and Temperature Switches Series W.- comprises a micro-switch assembly in which one or two micro-switches are located. The micro-switches are mechanically linked to the process-sensing element. The Series W.- uses several sensors, process connections and micro-switches.

<!--[if !vml]--><!--[endif]-->

Model code for the W.- Series Pressure- and Temp. Switches:

W.-A-B-C-D-E-F

With,

A= Temp./Pressure Range

B= Process connection

C= Process seal

D= Switching Element

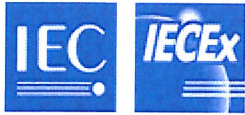
E= Options

F= Specials

Details of the model code are laid down in BETA's general bulletin (the models with model code F (specials) are not part of this evaluation).

Ambient range:     -40 °C to +70 °C for T6  
                      -40 °C to +80 °C for T5  
                      -40 °C to +80 °C for T100 °C

### CONDITIONS OF CERTIFICATION: NO



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## EQUIPMENT(continued):

### Electrical Data:

- 480 V max, 10 A max, 50/60 Hz.
- 125 Vdc max, 5 A max.