



# 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 ITS 17.0019X Issue No: 0 Certificate history:  
Issue No. 0 (2017-05-08)

Status: **Current** Page 1 of 3

Date of Issue: **2017-05-08**

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

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

Type of Protection: **Flameproof and Dust by Enclosure**

Marking:  
Ex db IIC T6/T5 Gb  
-60°C ≤ Tamb ≤ +70°C for T6  
-60°C ≤ Tamb ≤ +80°C for T5  
Ex tb IIIC T100°C Db  
-60°C ≤ Tamb ≤ +80°C

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

P Moss

*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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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Date of Issue: 2017-05-08 Page 2 of 3  
Manufacturer: **BETA B.V.**  
Verrijn Stuartlaan 22,  
2288 EL Rijswijk  
**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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

[GB/ITS/ExTR17.0015/00](#)

Quality Assessment Report:

[NL/DEK/QAR11.0032/04](#)



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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.- comprise of an enclosure with a threaded cover which measures approximately 200mm x 115mm x 95mm. The enclosure can be provided in aluminium, stainless steel. Both internal and external earthing points are provided.

W.- series enclosures may be provided with one or two threaded entries for installation of cable glands in various thread forms, the thread form of which is denoted in the marked model number.

The enclosures are populated with one or two micro-switches and a terminal block for connection to external circuits. The micro switches are mechanically linked to various mechanical process sensing elements via an operating rod.

#### Electrical ratings

480V max, 10A, 50/60Hz

125Vdc max, 5A max

Maximum rated process temperature is 100°C.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- Temperatures at the branching point can reach 92.5°C in an upper ambient of 80°C or 82.5°C in an upper ambient of 70°C.  
Selection of cable must be appropriate for the ambient temperature range in which the product is used.
- Only suitably approved Ex db IIC Gb/Ex tb IIIC Db with an ambient rating of -60°C to +80°C cable glands or blanking elements to be used.
- Repair of flamepaths is not intended.

### Annex:

[Annex doc for IEC Ex C of C or TR.pdf](#)



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<b>Annex No. 1</b>		

**Routine testing:**

<b>Manufacturer's documents</b>			
Title:	Drawing No.:	Rev. Level:	Date:
Assembly Pressure switch series: W.-.....-.....-..... for ATEX, IECEX, CSA & FM	30.09.81	I	04-05-2017
Assembly Press.- Temp. and Differential switches series: W.-.....-.....-..... for ATEX, IECEX, CSA and FM	30.09.82	B	09-03-2015
Assembly Differential switches series: W.-D...M-.....-..... for ATEX, IECEX, CSA and FM	30.09.83	B	09-03-2015
Nameplate BETA switch, series: W.- for ATEX, IECEX, CSA, FM	30.09.84	K	13-04-2017
BETA PRESSURE & TEMPERATURE SWITCHES Assembly, installation, adjustment	SP 001	Q	October 2016
Warning sticker on W.- enclosure	30.09.106	A	13-04-2017
SERIES: V.-.....-BETA PRESSURE SWITCHES Terminal block configurations A and B	30.09.39	B	20-8-1997
Assembly Temperature switch series: V.-.....-.....-.....	30.09.50	0	20-8-97
Assembly Differential pressure switch series: V.-D...M-.....-.....	32.09.01	A	20-8-97
Location of the nameplate on Series W.- enclosure	30.09.105	A	12-05-2015

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