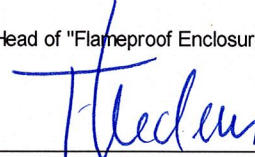




# IECEx Certificate of Conformity

## 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 PTB 09.0060X   | issue No.:0 | Certificate history: |
| Status:  | Current  |             |                      |
| Date of Issue:   | 2009-11-25   | Page 1 of 3 |                      |
| Applicant:   | <b>SAMSON AG Mess- und Regeltechnik</b><br>Weismüllerstrasse 3<br>60314 Frankfurt am Main<br>Germany |             |                      |
| Electrical Apparatus:  | <b>Limit Switch</b>  |             |                      |
| Optional accessory:  |  |             |                      |
| Type of Protection:  | <b>Flameproof "d", Protection by Enclosures "tD"</b>   |             |                      |
| Marking:   | <b>Ex d IIC T6, T5 rep. T4</b><br><b>Ex tD A21 IP66 T 80°C</b>                                       |             |                      |
| Approved for issue on behalf of the IECEx<br>Certification Body: | Dr. Martin Thedens   |             |                      |
| Position:  | Head of "Flameproof Enclosure"   |             |                      |
| Signature:<br>(for printed version)                              |                  |             |                      |
| Date:  | 25.11.2009   |             |                      |

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:

**Physikalisch-Technische Bundesanstalt (PTB)**  
Bundesallee 100  
38116 Braunschweig  
Germany





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Manufacturer: **SAMSON AG Mess- und Regeltechnik**  
Weismüllerstrasse 3  
60314 Frankfurt am Main  
**Germany**

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 : 2004</b><br>Edition: 4.0  | Electrical apparatus for explosive gas atmospheres - Part 0: General requirements                        |
| <b>IEC 60079-1 : 2007-04</b><br>Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"                        |
| <b>IEC 61241-0 : 2004</b><br>Edition: 1    | Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements          |
| <b>IEC 61241-1 : 2004</b><br>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:

[DE/PTB/ExTR09.0069/00](#)

Quality Assessment Report:

[DE/TUNQAR06.0011/03](#)



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## Schedule

### EQUIPMENT:

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

The explosion proof Limit Switch Type 4747 is intended for the attachment to all linear or rotary valves. The limit switch are equipped either with electric or inductive switching elements and issue a limit signal when a set limit value is exceeded or not reached, especially when a control valve has reached one of its final positions. The signal is transmitted, e.g. to an alarm or indicating system. For ratings refer to attachment CoC\_Content IECEx PTB 09.0060X.pdf

### CONDITIONS OF CERTIFICATION: YES as shown below:

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN 60079-1.

Please refer for further information to attachment "Additional notes for safe operation.pdf"

**Annexe:** CoC\_Content IECEx PTB 09.0060X.pdf, Additional notes for safe operation.pdf