



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 PTB 07.0045X issue No.:1 Certificate history:
Status: **Current** Issue No. 1 (2010-10-6)
Date of Issue: **2010-10-06** Page 1 of 4 Issue No. 0 (2009-2-26)
Applicant: **BARTEC GmbH**
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Electrical Apparatus: **Limit switch type 07-25.1-..../....**
Optional accessory:

Type of Protection: **Flameproof enclosure "d"**

Marking: **Ex d IIC Gb T6, T5 resp. Ex db IIC T6, T5**


Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Martin Thedens

Position:

Head of Section "Flameproof Enclosures"

Signature:
(for printed version)



08.11.2010

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:

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





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Page 2 of 4

Manufacturer: **BARTEC GmbH**
Max-Eyth-Straße 16
97980 Bad Mergentheim
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 product 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 identifying documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*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/ExTR10.0061/00

Quality Assessment Report:

DE/TUN/QAR06.0017/00



of Conformity

Certificate No.: IECEx PTB 07.0045X

Date of Issue: 2010-10-06

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The limit switch, type 07-25.1-.../... is used as an auxiliary switch for signal and control circuits. Encapsulated cables are used for connection.

CONDITIONS OF CERTIFICATION: YES as shown below:

The limit switch has to be mounted in such a way that it is protected against impact energies according to IEC 60079-0 clause 26.4.2.

The quality of the connecting cable shall satisfy the thermal and mechanical requirements within the functional range.



Certificate No.: IECEX PTB 07.0045X

Date of Issue: 2010-10-06

Issue No.: 1

Page 4 of 4

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

- 1) The name of the manufacturer changed.
- 2) The standards were adapted.
- 3) The EPL marking was added.
- 4) Material name changed.
- 5) An additional casting resin material was added.
- 6) Additional cable tails were added.
- 7) Added design variation with lateral resp. dual connection cable.