



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 07.0020** issue No.: **1**
Status: **Current**
Date of Issue: **2013-04-18** Page 1 of 5

Certificate history:
Issue No. 1 (2013-4-18)
Issue No. 0 (2007-4-3)

Applicant: **Dräger Safety AG & Co. KGaA**
Revalstraße 1
23560 Lübeck
Germany

Electrical Apparatus: **Terminal box, type EAC 00xx**
Optional accessory:

Type of Protection: **Increased Safety "e", Protection by enclosures "tb"**

Marking: **Ex e IIC T6 or T4 Gb**
Ex tb IIIC T80 °C or T130 °C Db
Tamb -40 °C - +40 °C or +80 °C

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosures"

Signature:
(for printed version)



07. JUN. 2013

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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Manufacturer: **Dräger Safety AG & Co. KGaA**
Revalstraße 1
23560 Lübeck
Germany

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 60079-31 : 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:
[DE/PTB/ExTR07.0027/01](#)

Quality Assessment Report:
[DE/BVS/QAR06.0001/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The terminal box type EAC 00xx consists of an enclosure out of plastic material in the type of protection Increased Safety "e". It is equipped with separately certified terminals. The connection is made by separately certified cable glands and a thread M25. It is intended to be assembled to the separately certified gas sensor type IDS 011x.

Technical data

Rated voltage	up to 40 V
Rated current	max. 5 A
Rated cross section	max. 2,5 mm ²
Ambient temperature range	depending on temperature class -40 °C to +40 °C, T6 -40 °C to +80 °C, T4
Protection against contact, entry of solids and water according to IEC 60529	IP65

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

Nomenclature

EAC 00	px
1	2

1: name of the type

2: different variants, no influence on explosion protection



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

New test according to the standards IEC 600789-0:2011, IEC 60079-7:2006 and IEC 60079-31:2008.
New marking.