



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.: **0**

Status: **Current**

Date of Issue: **2007-04-03** Page 1 of 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 "tD"**

Marking: **Ex e II T6 or T4**
Ex tD A21 IP65 T80 °C or T130 °C
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)

1. 5. 07

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

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 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/ExTR07.0027/00

Quality Assessment Report:

DE/BVS/QAR06.0001/02



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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.

Nomenclature

EAC 00	xx
1	2

1: name of the type

2: different variants, no influence on explosion protection

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