IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx BVS 18.0073X**	Page 1 of 5	Certificate history: Issue 0 (2018-11-26)
Status:	**Current**	Issue No: 1	
Date of Issue:	2022-10-10		
Applicant:	**GfG Gesellschaft für Gerätebau mbH** Klönnestr. 99 44143 Dortmund **Germany**		
Equipment:	**Transmitter type CC33**		
Optional accessory:			
Type of Protection:	**Equipment protection by flameproof enclosures "d", Equipment protection by intrinsic safety "i"**		
Marking:	Ex db IIC T6 Gb	without Buzzer	
	Ex db ib IIC T4/T6 Gb	with Buzzer	

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

Position: **Senior Lead Auditor, Certification Manager and officially recognised expert**

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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Certificate No.: **IECEx BVS 18.0073X**

Date of issue: 2022-10-10 Issue No: 1

Manufacturer: **GfG Gesellschaft für Gerätebau mbH**
Klönnestr. 99
44143 Dortmund
Germany

Manufacturing locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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/BVS/ExTR18.0081/01

Quality Assessment Report:

DE/BVS/QAR07.0002/15

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

General product information:

The gas measuring device Transmitter type CC33 consists of a sensor with a sintered element and a device housing, both designed in the type of protection Flameproof Enclosure "d". It can be optionally equipped with a buzzer in type of protection Intrinsically Safe “i” protection and is used to measure flammable gases in potentially explosive atmospheres in the temperature classes T4 and T6.

The gas measuring device Transmitter type CC33 consists of a housing made of stainless steel or aluminum with built-in electronics and a pellistor-sensor behind a sintering element. The sintered element ensures the type of protection Flameproof Enclosure "d" with simultaneous test gas supply. The enclosure is separately certified (IECEx FTZU 10.0010U / IECEx FTZU 12.0017U).

On the opposite side of the housing, the requirements of type of protection Flameproof Enclosure "d" are met by a conductor bushing with encapsulation. The sensor head is screwed in with the NPT ¾ " thread in a housing type of protection Flameproof Enclosure "d" to house the measuring electronics and the terminals for connecting the supply voltage and field devices.

SPECIFIC CONDITIONS OF USE: YES as shown below:
The measuring function for explosion protection is not part of this Certificate.

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Equipment (continued):

Ratings

Electrical parameters

Rated Voltage		DC	15 -30	V
Rated Current		DC	150	mA
Maximal Voltage (with Buzzer)	U_m	DC	60	V

Ambient temperature range

The following combinations are possible:

-20 °C ≤ T_a ≤ +55 °C without Buzzer	Temperature class "T6"
-20 °C ≤ T_a ≤ +40 °C with Buzzer	Temperature class "T6"
-20 °C ≤ T_a ≤ +55 °C with Buzzer	Temperature class "T4"

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating to the standard IEC 60079-0:2017
- Modification of the part lists