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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx EPS 12.0018U**

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Certificate history:
Issue 3 (2019-05-22)
Issue 2 (2015-12-10)
Issue 1 (2012-11-16)
Issue 0 (2012-07-31)

Status: **Current**

Issue No: 4

Date of Issue: 2020-09-11

Applicant: **häwa GmbH**
Industriestr. 12
88489 Wain
Germany

Ex Component: Empty enclosure HEX e/- ...

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased safety, protection by enclosure**

Marking: Ex eb IIA/IIB/IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx Certification Body: **Holger Schaffer**

Position: **Certification Manager**

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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany

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Manufacturer: **häwa GmbH**
Industriestr. 12
88489 Wain
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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/EPS/ExTR12.0025/05

Quality Assessment Report:

DE/EPS/QAR12.0007/09

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Ex Component(s) covered by this certificate is described below:

Enclosure series HEX e/-… is designed for increased safety and dust protection. The enclosure can be used for installation in kind of ignition protection increased safety and for dust applications. The enclosure is protected against contact, foreign object and water (IP65/IP66) according to IEC 60529. Glass viewing windows and various flange versions can be installed in addition. At housings for gas group IIC a coating thickness of 0.2 mm and for gas group IIB and IIA a coating thickness of 2.0 mm shall not exceeded.

Technical data:

	Width (mm)	High (mm)	Depth (mm)
Minimum size	75	90	50
Maximum size	2000	2500	1000

SCHEDULE OF LIMITATIONS:

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Operating temperature range:	Silicone gasket:	-50°C ≤ Tamb ≤ +80°C
	PU gasket:	-40°C ≤ Tamb ≤ +80°C

For full certification as an electric equipment, the tests according to IEC 60079-0 section 5.3 resp. IEC 60079-7, sections 5.7, 6.8 and annex E have to be carried out. Based on the test results a temperature class shall be assigned.

Warning markings according to IEC 60079-0:2017, IEC 60079-7:2017 and IEC 60079-31:2013 are required according to the specific application.

Earthing requirements according to IEC 60079-0, chapter 15 are to be respected for installation and use.

It must be ensured, that the tightness of the housing is retaint (IP65/IP66). Appropirate, approved components (eg. Cable glands) must be used.

It has to be assured, that the explosion protection is not adversely affected or disabled by the size and number of drillings.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Update to newest edition of standards IEC 60079-0 (Ed.7) and -7 (Ed.5.1).