

EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU
- (3) EU - Type Examination Certificate Number
- EPS 09 ATEX 1 175 U** **Revision 4**
- (4) Component: Enclosure series HEX e/-...
- (5) Manufacturer: häwa GmbH
- (6) Address: Industriestraße 12
88489 Wain
Germany
- (7) This component and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this component has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 08TH0204.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-7:2015/A1:2018

EN 60079-31:2014

- (10) The sign “U” placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.
- (11) This EU - Type Examination Certificate relates only to the design and examination of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the component shall include the following:

 II 2G Ex eb IIA/IIB/IIC Gb

 II 2D Ex tb IIIC Db



Certification department of explosion protection

Hamburg, 2020-09-11

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(13) **Annex**

(14) **EU - Type Examination Certificate EPS 09 ATEX 1 175 U**

Revision 4

(15) Description of component:

Enclosure series HEX e/-... is designed for increased safety protection 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 (IP66/IP65) according to EN 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

(16) Reference number: 08TH0204

(17) Notes for manufacture, installation and operation:

Operating temperature range: Silicone gasket: -50 °C ≤ T_{amb} ≤ +80 °C
 PU gasket: -40 °C ≤ T_{amb} ≤ +80 °C

For full certification as an electric equipment, the tests according to EN IEC 60079-0:2018 section 5.3 resp. EN 60079-7:2015/A1:2018, 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 EN IEC 60079-0, EN 60079-7 and EN 60019-31 are required according to the specific application.

Earthing requirements according to EN IEC 60079-0:2018, chapter 15 are to be respected for installation and use.

It must be ensured, that the tightness of the housing is retained (IP66/IP65). Appropriate, approved components (e.g. cable glands) shall be used.

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

(18) Essential health and safety requirements:

Met by compliance with standards.

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