



Translation

**EC-Type Examination Certificate**

**- Directive 94/9/EC -**

**Equipment and protective systems intended for use  
in potentially explosive atmospheres**

**BVS 09 ATEX E 017 U**

- (4) **Component:** Enclosure Type dUG 102
- (5) **Manufacturer:** WOELKE Industrieelektronik GmbH
- (6) **Address:** 45239 Essen, Germany
- (7) The design and construction of this component and any acceptable variation thereto are specified in the appendix to this type examination certificate.
- (8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, 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 to the Directive.  
The examination and test results are recorded in the test and assessment report BVS PP 09.1008 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 60079-0:2006 General requirements  
EN 60079-1:2007 Flameproof enclosure 'd'
- (10) The sign "U" placed after the certificate number indicates that the certificate must not be mistaken for a certificate for equipment or a protective system. This certificate may only be used as the basis for the certification of equipment or a protective system.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified component in accordance to Directive 94/9/EC.  
Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



**I M2 Ex d I**

**DEKRA EXAM GmbH**

Bochum, dated 23. February 2009

Signed:

Simanski

Certification body

Signed:

Dr. Eickhoff

Special services unit

(13) Appendix to

(14) **EC-Type Examination Certificate**

**BVS 09 ATEX E 017 U**

(15) 15.1 Subject and type

Enclosure type dUG102

15.2 Description

The enclosure is made of coated steel and has a removable cover with inspection window.

It can have up to 7 threaded holes M25x1,5 or 6 threaded holes M25x1,5 and 1 M32x1.5 in the smaller side walls.

They are closed by separately certified cable entries or blanking elements.

Additionally the enclosure can be equipped with a breathing- or draining device.

15.3 Parameters

Limitation of the operating temperature  
due to the flameproof enclosure

-20 °C bis +60 °C

(16) Test and assessment report

BVS PP 09.1008 EG as of 23.02.2009

(17) Special conditions for safe use

The inspection windows has to be protected against mechanical impact > 4J.

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 23. February 2009  
BVS-Hk/SZ A 20080657

**DEKRA EXAM GmbH**



Certification body



Special services unit