

Translation

(1) EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) No. of EC-Type Examination Certificate: **BVS 14 ATEX E 003 U**
- (4) Component: **Terminal box type *** GGe**
- (5) Manufacturer: **Winkelmann Elektromotoren GmbH & Co. KG**
- (6) Address: **Im Neuen Felde 88-90, 29525 Uelzen, 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 14.2009 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 60079-0:2012 General requirements**
EN 60079-7:2007 Increased safety "e"
- (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 component shall include the following:

 **II 2G Ex e IIA/IIB/IIC Gb**

DEKRA EXAM GmbH
Bochum, dated 2014-01-07

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate
BVS 14 ATEX E 003 U**

(15) 15.1 Subject and type

Terminal box type ^{***1)} GG²⁾e³⁾

- ¹⁾ Size 132 – 180
- 200 – 250
- 315

²⁾ Iron casting EN-GJL-200

³⁾ Increased safety

15.2 Description

The terminal box type *** GGe is designed in type of protection „e“ - Increased safety. The terminal box is used for mounting on motors / generators in type of protection “d” - Flameproof enclosure. The terminal box consists of a cover, middle part and a bottom part which is made of iron casting.

Version 1: Flat gasket between cover and enclosure middle part, also between enclosure middle part and bottom part.

Version 2: Flat gasket between cover and enclosure middle part, round cord gasket between enclosure middle part and bottom part.

15.3 Parameters

Rated voltage	12 - 630 V
Rated cross section	4 - 185 mm ²
Limits of service temperature	-20 °C ... +80 °C
IP Protection degree	IP66

(16) Test and Assessment Report

BVS PP 14.2009 EG as of 2014-01-07

(17) Installation instructions

If the terminal box *** GGe is used for the gas group IIC, the painting of the enclosure must not be thicker than 0.2 mm according table 8 (EN 60079-0:2012).

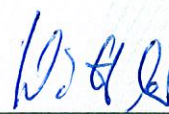
If the terminal box *** GGe is used for the gas group IIA/IIB, the painting of the enclosure must not be thicker than 2 mm according table 8 (EN 60079-0:2012).

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.

DEKRA EXAM GmbH
44809 Bochum, 2014-01-07
BVS-Yil/Mu A 20120247



Certification body



Special services unit