

# (1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

**TÜV 19 ATEX 8392 U**

Issue: 00

- (4) Equipment: **Explosion-protected empty enclosure GBXE \*\*\*\*\***
- (5) Manufacturer: **Cooper Crouse-Hinds GmbH**
- (6) Address: **Neuer Weg Nord 49  
D-69412 Eberbach, Germany**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential report Nr.557/Ex 8392.00/19
- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN IEC 60079-0:2018**

**EN IEC 60079-7:2015/A1:2018**

**EN 60079-31:2014**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



**II 2 G Ex eb IIC Gb**

**II 2 D Ex tb IIIC Db**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-07-05

Dipl.-Ing. Klauspeter Graffi

This EU-Type Examination Certificate without signature and stamp shall not be valid.  
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln  
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**  
**TÜV 19 ATEX 8392 U** Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Explosion-protected empty enclosure  
Modell: GBXE \*\*\*\*\* , refer to 15.2.

15.2 Description

General product information

The empty enclosure GBXE may be used for fitting electrical and mechanical components.

The empty enclosure GBXE consists of high-quality Glass Reinforced Polyester with graphite added. Lid and base are screwed together with stainless steel captive screws, which ensure ingress protection rating IP66.

A groove and tongue system with inserted sealing cord between the lid and base assures the high protection class (see technical data).

An earth continuity plate may be installed on the walls inside the enclosures.

This EU Type Examination Certificate without signature and official stamp shall not be valid.  
This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:  
Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH

The model type designation differs because of the size:

No.	Catalog Number
1.	GBXE 080707
2.	GBXE 121209
3.	GBXE 221209
4.	GBXE 161609
5.	GBXE 261609
6.	GBXE 361609
7.	GBXE 252512
8.	GBXE 252516
9.	GBXE 402512
10.	GBXE 402516
11.	GBXE 404012
12.	GBXE 602512
13.	GBXE 602516
14.	GBXE 404020

GBXE <sup>1)1)2)2)3)3)</sup>

1)=length (rounded in [cm])

2)=width (rounded in [cm])

3)=depth (rounded in [cm])

#### Technical Data

Rated service temperature range for Ex Components: -30/-60°C to +110°C

(16) Test-Report No. 557 / Ex 8392.00 / 19

This EU Type Examination Certificate without signature and official stamp shall not be valid.  
 This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:  
 Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH

(17) Schedule of Limitations

1. All cable entry devices shall be suitably certified for protection types of 'eb' and 'tb', and all unused openings shall be fitted with suitable blanking elements with protection types of 'eb' and 'tb' so that min. ingress protection of IP 64 is maintained.
2. The suitability of all components/terminals employed inside shall be considered in the end use application.
3. Internal and external earthing studs provide effective connection of a protective earthing (PE) conductor.  
Size of the protective earthing conductor shall be selected based on the phase conductors and table 12 of EN IEC 60079-0:2018.
4. Service temperature may exceed +70 °C. Cables suitable for use at this temperature shall be used.
5. The service temperature is determined by the gasket material used. The user shall ensure that the enclosures are used within the correct service temperature range.

Enclosure Type	Gasket Material	Service Temperature
Glass Reinforced	Silicone	-60°C to +110°C
Polyester (GBXE Series)	Viton	-30°C to +110°C

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-07-05

Dipl.-Ing. Klauspeter Graff




This EU Type Examination Certificate without signature and official stamp shall not be valid.  
 This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:  
 Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH