# **Translation**

# **EU-Type Examination Certificate**

- 2 Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU
- 3 EU-Type Examination Certificate Number: BVS 21 ATEX E 001 X
- 4 Product: Plug and socket system type GHG 512\* \* \*\* R \* \*\*\*
- 5 Manufacturer: Cooper Crouse-Hinds GmbH
- 6 Address: Neuer Weg-Nord 49, 69412 Eberbach, Germany
- 7 This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.
- DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

  The examination and test results are recorded in the confidential Report No. BVS PP 21/2001 EU
- 9 The Essential Health and Safety Requirements are assured in consideration of:

EN IEC 60079-0:2018 General requirements
EN 60079-1:2014 Flameproof enclosure "d"
EN IEC 60079-7:2015 + A1:2018 Increased Safety "e"
EN 60079-31:2014 Protection by Enclosure "t"

- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.
- This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 12 The marking of the product shall include the following:



Il 2G Ex db eb IIC/IIB T5 Gb Il 2D Ex tb IIIC T80°C Db

DEKRA Testing and Certification GmbH Bochum, 2021-01-11

Signed: Jörg-Timm Kilisch

Managing Director



- 13 Appendix
- 14 EU-Type Examination Certificate

**BVS 21 ATEX E 001 X** 

- 15 **Product description**
- 15.1 Subject and type

Plug and socket system GHG 5121)\*2)\*3) \*\*4) R5) \*6) \*7) \*\*

1) Current	2	= 30 A / 32 A
	7	= 30 / 32
<sup>2)</sup> Design	3	= Coupling
	4	= Wall socket
	7	= Plug

3) Number of poles 4 = 4-poles (3+PE) 5 = 5-poles (3+N+PE)

4) Voltage  $00 = \le 24 \text{ V AC}$ 

01 = Special voltage

03 = 230 VAC04 = 110 L 130 VAC

05 = 690 V AC 06 = 230 / 415 V AC

07 = 500 VAC

08 = Special voltage 09 = 127 / 230 V

= 42 V AC

5) Temperature range R = ATEX / IECEx Version

6) Version 0 = Plastic

12

3 = Internal metal plate

7) Version 000-499 ≈ with auxiliary switch

501-899 = without auxiliary switch

901-999 = Repair

## 15.2 **Description**

The plug and socket system type GHG 512\*\* \*\* R \* \*\*\* consists of a flange socket which is built as a wall socket and is used for connection of a plug. Alternatively, the plug and socket system is built as a coupling. The plug is built in type of protection increased Safety "e" and Protection by Enclosure "t". The wall socket and the coupling are built in type of protection increased Safety "e" and Protection by Enclosure "t".

The wall socket can be equipped with a separately certified signal lamp type GHG41..... R..., switch block type GHG 41..... R ...., switch base type GHG 2\*\* \*\* \*\* R \*\*\*\* and / or switch base type GHG 264 \*\*\*\* R \*\*\*\*.



Page 2 of 3 of BVS 21 ATEX E 001 X – Jobnumber 341165400 This certificate may only be reproduced in its entirety and without any change.

# Listing of all components

Subject and type	Certificate	
Flange socket GHG5128	BVS 20 ATEX E 090 U	
Connection terminal 07-9702-0*2*/****	PTB 99 ATEX 3117 U	
Mini mounting switch 07-1501/	EPS 14 ATEX 1688 U	
Switch block GHG 41 R	IBExU 14 ATEX 1030 U	
PE Terminal	KEMA 96 ATEX 4370U	

#### 15.3 **Parameters**

## 15.3.1 Plug and socket system - Wall socket type GHG 514\*\* \*\* R \* \*\*\* (Gas Group IIC/IIB)

Rated voltage: 690 **VAC** 

Rated current: 32 Α

Ambient temperature range: ~55°C ... +55°C (IIB) Wall Socket

> -45°C ... +55°C (IIC) Wall Socket -55 °C ... +55 °C (IIB) Plua Plug -45 °C ... +55 °C (HC) Coupler -25 °C +55 °C (HC)

#### 16 **Report Number**

BVS PP 21.2001 EU, as of 2021-01-11

#### 17 Special Conditions for Use

The plugs have to be examined of any damages before being connected to the socket,

### 18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

#### 19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

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 Testing and Certification GmbH** Bochum, 2021-01-11

**BVS-Pz** A20121417

(DAkkS

Managing Director

Page 3 of 3 of BVS 21 ATEX E 001 X - Johnumber 341165400 This certificate may only be reproduced in its entirety and without any change.