

## 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 131 U**
- (4) Component: **Flange socket type GHG 54\* \*\*\*\* \* \*\*\*\***
- (5) Manufacturer: **Cooper Crouse-Hinds GmbH**
- (6) Address: **Neuer Weg-Nord 49, 69412 Eberbach, 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 14.2212 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 60079-0:2012 General requirements**  
**EN 60079-1:2007 Flameproof enclosure "d"**  
**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 de IIC Gb resp. Ex db eb IIC**

DEKRA EXAM GmbH  
Bochum, dated 2014-09-25

Signed: Simanski

\_\_\_\_\_  
Certification body

Signed: Dr. Wittler

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Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate  
BVS 14 ATEX E 131 U**
- (15) 15.1 Subject and type

Flange socket type GHG 54\*<sup>1</sup>\*<sup>2</sup>\*<sup>3</sup>\*<sup>4</sup>\* \*\*\*\*

- 1<sup>)</sup> Rated current / rated voltage 2 = 16 A / 50 V
- 2<sup>)</sup> Variant 5 = flange socket
- 3<sup>)</sup> Poles
  - 2 = 2 poles
  - 3 = 3 poles
- 4<sup>)</sup> service voltage
  - 00 = 24 V AC 50 & 60 Hz (purple)
  - 12 = 42 V AC 50 & 60 Hz (white)
  - 03 = 42 V AC 400 Hz (black)
  - 10 = ≤ 50 V DC

15.2 Description

The flange socket type GHG 54\* \*\*\*\* \* \*\*\*\* consists of a flange enclosure with hinged cover and a socket body in type protection increased safety "e". Inside of the flanged socket is located a switch locking in type of protection flameproof enclosure "d".

15.3 Parameters

Rated voltage	≤ 50 V AC
Rated current	16 A
Rated frequency	≤ 400 Hz
Rated voltage	≤ 50 V DC
Rated current	16 A
Limits of service temperature	-25 °C ... +65 °C
Tested ambient temperature range (Ex d)	-55 °C ... +60 °C

- (16) Test and Assessment Report

BVS PP 14.2212EG as of 2014-09-25

- (17) Installation instructions

The flanged socket must be installed in a separately certified enclosure which can be used for this purpose.

During installation of the flanged socket in a separately certified enclosure in type of protection increased safety – "e" the creepage and clearance distances have to fulfil the requirements of EN 60079-7.

The dimensions of the flameproof joints are in parts other than the relevant minimum or maximum values of EN 60079-1:2007. For information on the dimensions of the flameproof joints contact the manufacturer.

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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.

DEKRA EXAM GmbH  
44809 Bochum, 2014-09-25  
BVS-Yil/Ma A20120649

A handwritten signature in blue ink, appearing to read "Luisch".

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Certification body

A handwritten signature in blue ink, appearing to read "W. H. L.".

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Special services unit