Translation

1 # 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.

8 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"**

10 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.

11 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:

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

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

Signed: Jörg-Timm Kilisch

Managing Director

This certificate may only be reproduced in its entirety and without any change.

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DAkkS Deutsche Akkreditierungsstelle D-ZE-17438-02-00

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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 512[1)*2)*3) **4)] R[5) *6) *7) **]

[1)] Current	2	=	30 A / 32 A
	7	=	30 / 32
[2)] 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	=	≤ 24 V AC
	01	=	Special voltage
	03	=	230 V AC
	04	=	110 / 130 V AC
	05	=	690 V AC
	06	=	230 / 415 V AC
	07	=	500 V AC
	08	=	Special voltage
	09	=	127 / 230 V
	12	=	42 V AC
[5)] Temperature range	R	=	ATEX / IECEx Version
[6)] Version	0	=	Plastic
	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 ****.

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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	V AC
Rated current:		32	A
Ambient temperature range:	Wall Socket		-55 °C ... +55 °C (IIB)
	Wall Socket		-45 °C ... +55 °C (IIC)
	Plug		-55 °C ... +55 °C (IIB)
	Plug		-45 °C ... +55 °C (IIC)
	Coupler		-25 °C ... +55 °C (IIC)

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

Managing Director

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