IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx BVS 21.0002X**		Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2021-01-12		
Applicant:	**COOPER CROUSE-HINDS GmbH** Neuer Weg Nord 49, 69412 Eberbach **Germany**		
Equipment:	**Plug and socket system type GHG 512* * ** * * *** **		
Optional accessory:			
Type of Protection:	**Increased safety "e", Flameproof enclosure "d", Protection by enclosure "t"**		
Marking:	Ex db eb IIC/IIB T5 Gb Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx Certification Body:	**Dr Michael Wittler**
Position:	**Deputy Head of Certification Body**
Signature: (for printed version)	[signature]
Date:	12.01.2021

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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Manufacturer: **COOPER CROUSE-HINDS GmbH**
Neuer Weg Nord 49, 69412 Eberbach
Germany

Additional manufacturing locations: **S.C. COOPER INDUSTRIES ROMANIA S.R.L**
ARAD, Zona Industrial NV, str III, no 12
ROMANIA
Romania

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/BVS/ExTR21.0002/00

Quality Assessment Report:

DE/BVS/QAR11.0009/11

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Subject and Type

Plug and socket system GHG 512[1)*2)*3) **4) *5) *6) *7) **

1) Current	2 = 32 A
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 = without auxiliary switch
	501-899 = with auxiliary switch

SPECIFIC CONDITIONS OF USE: YES as shown below:
The plugs have to be examined of any damages before being connected to the socket.

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Equipment (continued):

Listing of all used components

Subject and type	Certificate
Flange socket GHG5128	IECEx BVS 20.0072U
Mini mounting switch 07-1501-.../....	IECEx EPS 14.0038U
PE Terminal	IECEx KEM 06.0035U

- No applicable technical differences

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Connection terminal 07-9702-0*2*/****	IECEx PTB 07.0007U	IEC 60079-0:2011 Edition:6.0[1] IEC 60079-7:2015 Edition:5.0[1]
Switch block GHG 41. .... R	IECEx IBE 14.0005U	IEC 60079-0:2011 Edition:6.0[1] IEC 60079-1:2014 Edition:7.0 IEC 60079-7:2015 Edition:5.0[1]

[1] No applicable technical differences

Description

The plug and socket system type GHG 512** ** * * *** consists of a flange socket which is built as a wall socket and is used for connection of a plug. Alternative, 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".

Parameters

Plug and socket system - Wall socket type GHG 512** ** * * *** (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)	