



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 17.0062X	Page 1 of 6	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2019-10-09)
Date of Issue:	2025-07-07		Issue 1 (2018-02-21)
Applicant:	Cooper Crouse-Hinds GmbH Neuer Weg-Nord 49 69412 Eberbach Germany		Issue 0 (2017-11-06)
Equipment:	Plug and socket system type GHG 514* ** R * **		
Optional accessory:			
Type of Protection:	Equipment protection by flameproof enclosures "d", Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"		
Marking:	Ex db eb IIC/IIB T5 Gb Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Deniz Pezzutto

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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





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Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Manufacturing locations: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

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](#) 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/ExTR17.0079/02](#)

Quality Assessment Report:

[DE/BVS/QAR11.0009/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

The plug and socket system type GHG 514** ** R * *** consists of a flange socket which is built as a wall socket and is used for connection of a plug.

The plug is built in type of protection Increased Safety "e" and Protection by Enclosure "t".

The wall socket is 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 ****.

Listing of all components used referring to older standards

Signal lamp GHG41. R...	IECEX IBE 13.0031U	IEC 60079-0:2011 Ed.6 ¹ IEC 60079-1:2014 Ed.7 IEC 60079-7:2015 Ed.5 ¹
Switch base GHG 2** ** R ****	IECEX BVS 14.0047U	IEC 60079-0:2011 Ed. 6 ¹ IEC 60079-1:2014 Ed. 7 IEC 60079-7:2015 Ed. 5 ¹
Switch base GHG 264 **** R ****	IECEX BVS 12.0083U	IEC 60079-0:2011 Ed. 6 ¹ IEC 60079-1:2007 Ed. 6 ¹ IEC 60079-7:2006 Ed. 4 ¹

¹ No applicable technical differences

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

The wall socket for Gas Group IIB and T_{amb} -55 °C must be protected against mechanical damage > 4 Joule.



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Equipment (continued):

Subject and Type

Plug and socket system GHG 514¹⁾*2)*3) **4) R⁵⁾ *6) ***7)

1)	Current	4 = 63 A / 60 A
2)	Design	4 = Wall socket
		7 = Plug
3)	Number of poles	4 = 4-poles (3+PE)
		5 = 5-poles (3+N+PE)
4)	Voltage	** numeric string for voltage variations up to 690 V
5)	Temperature range	R = Series I
6)	Version	0 = Plastic
		3 = Internal metal plate
7)	Variant	1 = extended temperature range
		3 = with pilot light (GHG 41 version)
		5 = with auxiliary switch (GHG 41 version)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Deletion of SC Cooper Industries, Romania location.



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Additional information: Parameters

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

Rated voltage:	690	V AC
Rated current:	60 / 63	A
	Wall socket:	-55 °C ... +40 °C (IIB - 4 Joule)
		-40 °C ... +55 °C (IIB - 7 Joule)
Ambient temperature range:		-20 °C ... +55 °C (IIC)
	Plug:	-55 °C ... +55 °C