



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 EPS 16.0042X**

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Certificate history:
Issue 0 (2016-10-07)

Status: **Current**

Issue No: 1

Date of Issue: **2021-01-25**

Applicant: **Bock GmbH**
Benzstraße 7
72636 Frickenhausen
Germany

Equipment: **Supply-, control- and heating-unit type: EX-HG(X)12P, EX-HG(X)22e and EX-HG(X)34e of semi-hermetic compressors**

Optional accessory:

Type of Protection: **flame proof enclosure "d"; increased safety "e"; intrinsic safety "i"; encapsulation "m"**

Marking: **EX-HG(X)12P and EX-HG(X)22e:
Ex db eb ia IIC/IIB T3 Gb**

**EX-HG(X)34e:
Ex db eb ia mb IIC/IIB T3 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:



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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Bock GmbH**
Benzstraße 7
72636 Frickenhausen
Germany

Additional manufacturing locations:

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

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/EPS/ExTR16.0040/02](#)

Quality Assessment Report:

[DE/EPS/QAR15.0005/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The scope of testing and certification is a supply-, control-, feedthrough- and heating-unit for hermetically sealed cooling compressors. The entire electrical connection area is protected by the use of the ignition protection Ex "eb" and/or Ex "db". The control-unit is protected by the use of the ignition protection Ex "eb", "ia" and "mb", the heating-unit is protected by kind of protection Ex "db".

Technical & electrical data:

Unit type	EX-HG(X)12P	EX-HG(X)22e	EX-HG(X)34e
Rated voltage	400 V - 690 V	400 V - 690 V	400 V - 690 V
Frequency range	10 Hz - 90 Hz (restricted frequency range according to manufacturer document)	10 Hz - 90 Hz (restricted frequency range according to manufacturer document)	10 Hz - 90 Hz (restricted frequency range according to manufacturer document)
Max. supply current	7.4 A (reduced values according to manufacturers documents)	11.3 A (reduced values according to manufacturers documents)	21.6 A (reduced values according to manufacturers documents)
Protection terminal box	IP66	IP66	IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:

Rated ambient temperature range: $-20^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ or
 $-20^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ (in combination with capacity regulator)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Company name changed, standard update.