



# 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](http://www.iecex.com)

Certificate No.: **IECEx EPS 16.0042X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 Issue 0 (2016-10-07)  
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](http://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:  $-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$  or  
 $-20\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$  (in combination with capacity regulator)



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Company name changed, standard update.