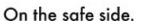


Germany

# **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 20.0023X	Page 1 of 3	Certificate history:		
Status:	Current	Issue No: 0			
Date of Issue:	2020-07-20				
Applicant:	JCT Analysentechnik GmbH Werner-Heisenberg-Straße 4 2700 Wiener Neustadt Austria				
Equipment:	Heater type JHBEx-*** * * * * 0				
Optional accessory:					
Type of Protection:	Flameproof enclosures "d"; Dust ignition protection by enclosure "t"				
Marking:	king: JHBEX-***0****0: Ex db [Ga] IIC T2/230°C(T2)/T3/T4 Gb Ex tb [Da] IIIC T300°C/T230°C/T135°C Db				
	JHBEX-***1****0: Ex db IIC T3/T4 Gb Ex tb IIIC T200°C/T135°C Db				
	JHBEX-***2****0: Ex db IIC 230°C (T2) /T3/T4 Gc Ex tb IIIC T230°C/T200°C/T135°C Dc				
Approved for issue o Certification Body:	n behalf of the IECEx	Dr Franz Eickhoff			
Position:		Deputy Head of Certification Body			
Signature: (for printed version)					
Date:					
2. This certificate is	nd schedule may only be reproduced in full. not transferable and remains the property of th uthenticity of this certificate may be verified by	ne issuing body. visiting www.iecex.com or use of this QR Code.			
Certificate issued	by:				
DEKRA Testing Certification Bo Dinnendahlstras			<b>EKRA</b>		
44809 Bochum		0.5	the cafe cide		





# IECEx Certificate of Conformity

Certificate No .:	IECEx BVS 20.0023X	Page 2 of 3		
Date of issue:	2020-07-20	Issue No: 0		
Manufacturer:	JCT Analysentechnik GmbH Werner-Heisenberg-Straße 4 2700 Wiener Neustadt Austria			
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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requiren	nents		
IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" Edition:7.0				
<b>IEC 60079-31:2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition prote	ection by enclosure "t"		
	This Certificate <b>does not</b> indicate compliance with safety an other than those expressly included in the Stand			
<b>TEST &amp; ASSESSMENT REPORTS:</b> A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:				
Test Report:				
DE/BVS/ExTR20.0045/00				

Quality Assessment Report:

DE/BVS/QAR19.0003/01



# IECEx Certificate of Conformity

Certificate No.: IECEx BVS 20.0023X

Date of issue:

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Issue No: 0

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

2020-07-20

## Subject and Type:

### Heating block type JHBEX - a b c d e f

Temperature class

a:	300	T2 / T300°C
	230	230°C (T2) / T230°C
	200	T3 / T200°C
	135	T4 / T135°C
	100	147 1185 6

## zone heating into

b:	0	zone 0 / 20
	1	zone 1 / 21
	2	zone 2 / 22

## contact area

c: not relevant for explosion protection

mounting device d: not relevant for explosion protection

#### cable length

e: not relevant for explosion protection

## Cable gland

f:

0 not armoured

### **Description:**

The heating block JHBEX - \*\*\* \* \* \* 0 is developed for use in explosive atmospheres. The temperature is controlled by self-regulating PTC heating elements if necessary in combination with integrated control and safety elements. For undertemperature detection, a hole can be provided for mounting a sensor.

### Parameters:

Nominal voltage Inrush current Power consumption Circuit protection	115 230 < 2 30 200 6 10	V AC A W A
thermal data		
Temperature at place of installation (JHBEX-3*****0 und JHBEX-23*****0)	-60 +135	°C
Temperature at place of installation (JHBEX-20*****0)	-60 +150	°C
Temperature at place of installation (JHBEX-135*****0)	-60 +100	°C

## SPECIFIC CONDITIONS OF USE: YES as shown below:

The connection cable shall have a minimal length of 300 mm measured from the cable gland.

At ambient temperatures below -40 °C the JHBEX-\*\*\*\*\*\*0 has to be energized.