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 13.0046**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 5	Issue 4 (2017-05-18) Issue 3 (2016-11-24) Issue 2 (2014-12-09) Issue 1 (2014-10-31) Issue 0 (2014-01-07)
Date of Issue:	2020-12-04		
Applicant:	**JUMO GmbH & Co. KG** Moritz-Juchheim-Straße 1 36039 Fulda **Germany**		
Equipment:	**exTHERM-AT-605055**		
Optional accessory:			
Type of Protection:	**"d", "e", "tb"**		
Marking:	Ex db eb IIC T4/T5/T6 Gb Ex tb IIIC T85°C/T100°C/T130°C Db		

Approved for issue on behalf of the IECEx Certification Body:

Holger Schaffer

Position:

Certification manager

Signature:
(for printed version)

Date:

2020-12-04

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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Date of issue: 2020-12-04

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Manufacturer: **JUMO GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda
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 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

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

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

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

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 Reports:

DE/EPS/ExTR13.0048/00
DE/EPS/ExTR13.0048/01
DE/EPS/ExTR13.0048/02
DE/EPS/ExTR13.0048/03
DE/EPS/ExTR13.0048/04
DE/EPS/ExTR13.0048/05

Quality Assessment Report:

DE/TUN/QAR13.0005/07

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

The Thermostat exTHERM-AT-605055 is used to control and regulate thermal processes in hazardous Gas and Dust location. The enclosure provides type of protection Ex-e and Ex-t with minimum IP64 ingress protection. Depending on model the maximum ambient temperature range is from -60°C to +80°C. The temperature class depending on switch current and ambient temperature is given in following table:

Max. ambient Temperature	Max. Switching Current	Temperature class	Max. Surface Temperature
50°C	25A	T5	T100°C
80°C	16A	T5	T100°C
50°C	16A	T6	T85°C
40°C	25A	T6	T85°C
55°C	25A	T4	T130°C

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Standard update and change of temperature rating