



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 22.0083X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2022-11-17)
Date of Issue: 2023-05-15
Applicant: **JUMO GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda
Germany
Equipment: **Surface-mounted thermostat, type exTHERM S200**
Optional accessory: Thermowell, type 605057
Type of Protection: **Intrinsic safety "i"**
Marking: Ex ia IIC T6...T4 Ga/Gb
Ex ia IIC T6...T4 Gb
Ex ia IIIC T85°C...T135°C Db

Approved for issue on behalf of the IECEX
Certification Body:

Position:

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:

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





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Date of issue: 2023-05-15

Issue No: 1

Manufacturer: **JUMO GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda
Germany

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

IEC 60079-26:2021-02 Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection
Edition:4.0

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/ExTR22.0077/00

Quality Assessment Report:

DE/EPS/QAR23.0003/00



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

JUMO exTHERM S200 are surface-mounting thermostats for monitoring and controlling temperatures in normal and explosion-proof areas. They can be used in EPL Gb and Db. Using the optionally available Thermowell, type 605057, exTHERM S200 are suitable for mounting in a boundary wall between EPL Ga and Gb.

Electrical parameters:

Ui = 30 V

Ii = 100 mA

Pi = 750 mW

SPECIFIC CONDITIONS OF USE: YES as shown below:

The environmental conditions shall comply with the temperatures specified in the annex.

The equipment is only evaluated to IEC 60079-26:2021 (ed.4) for mounting in a boundary wall if operated with the optionally supplied thermowell type 605057.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This new issue of the certificate is issued to show that the ExCB responsible for the QAR has now been changed. No new ExTR required.

Annex:

[BV_annex to IECEx EPS 22.0083X Issue 1.pdf](#)



Environmental conditions in scope of IECEx EPS 22.0083X certification:

process connection ≠ 74 (e.g. plain cylindrical probe)

	permissible max. ambient temperature		
	without Namur clamps	with Namur clamps	
max. medium temperature	T6 - T1	T6	T5 - T1
any	75 °C	23 °C	75 °C

process connection = 74 (rigid thermowell)

	permissible max. ambient temperature		
	without Namur clamps	with Namur clamps	
max. medium temperature	T6 - T1	T6	T5 - T1
40 °C	72 °C	20 °C	72 °C
60 °C	70 °C	18 °C	70 °C
80 °C	65 °C	13 °C	65 °C
100 °C	64 °C	12 °C	64 °C
120 °C	60 °C	8 °C	60 °C
140 °C	57 °C	5 °C	57 °C
160 °C	53 °C	1 °C	53 °C
180 °C	52 °C	0 °C	52 °C
200 °C	47 °C	-	47 °C
220 °C	43 °C	-	43 °C
240 °C	39 °C	-	39 °C
260 °C	37 °C	-	37 °C
280 °C	35 °C	-	35 °C
300 °C	30 °C	-	30 °C
320 °C	27 °C	-	27 °C
340 °C	23 °C	-	23 °C
350 °C	22 °C	-	22 °C