IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx KEM 09.0082	issue No.:0	Certificate history:
Status:	**Current**		
Date of Issue:	**2011-03-29**	Page 1 of 3	

Applicant: **BARTEC GmbH**
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Electrical Apparatus: **HSB Anti-condensation Heating type 27-177*-****/****/****
Optional accessory:

Type of Protection: **Ex e**

Marking: **Ex e II 200 °C (T2), T3**

Approved for issue on behalf of the IECEx Certification Body: T. Pijpker

Position: Certification Manager

Signature:
(for printed version)

Date: 2011-03-29

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 the Official IECEx Website.

Certificate issued by:

DEKRA Certification B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

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Manufacturer:

BARTEC GmbH
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Manufacturing location(s):

BARTEC GmbH
Max-Eyt-Straße 16
97980 Bad Mergentheim
Germany

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 electrical apparatus 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-30-1 : 2007-01 Edition: 1	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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:

NL/KEM/ExTR07.0054/00
NL/KEM/ExTR09.0085/00

Quality Assessment Report:

DE/TUN/QAR06.0017/02

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Schedule

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

Description

HSB Anti-condensation Heating type 27-177*-****/****/**** is used for heating inside electrical equipment.

CONDITIONS OF CERTIFICATION: NO

Annexe: ANNEX to IECEx KEM 09.0082 Iss0.pdf

Annex to:	IECEx KEM 09.0082 Issue no.: 0
Page:	1 of 1
Applicant:	BARTEC GmbH
Electrical Apparatus:	HSB Anti-condensation Heating type 27-177*-****/****/****

Description (continued)

Maximum operating temperature, power "on":	+120 °C
Maximum withstand temperature, power "off":	+170 °C
Minimum start-up temperature:	-40 °C
Minimum installation temperature:	-40 °C
Minimum bending radius:	25 mm

Electrical data

27-177	3	-	7	***	/	****	/	****
I	II		III	IV		V		VI

Designation	Explanation	Value	Explanation
I	General	27-177	HSB Anti-condensation Heating
II	Power output rating	1 2 3 4 5 6 7	10 W/m at 10 °C 15 W/m at 10 °C 20 W/m at 10 °C 25 W/m at 10 °C 30 W/m at 10 °C 45 W/m at 10 °C 60 W/m at 10 °C
III	Rated voltage	6 7	110 Vac to 120 Vac 208 Vac to 254 Vac
IV	Length of cold leads	***	3 digits in cm
V	Rated power	****	4 digits in W Rated power is limited sufficiently by the maximum circuit lengths specified in the test documentation listed in the test report.
VI	Custom marking	****	4 digits Code for custom marking

Temperature class

Rated voltage	Power output rating	T-class
254 Vac	10, 15, 20, 25, 30, 45, 60 W/m	T3
120 Vac	10, 15, 20, 25, 30 W/m	T3
	45, 60 W/m	200 °C (T2)