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 PTB 11.0059 issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2012-02-24**	Page 1 of 3

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

Electrical Apparatus: **Remote I/O-Module ANTARES 8AI type 17-6143-1004/00**, 17-6143-1004/01**, 8AIH type 17-6143-10105/00**, 17-6143-1005/01****

Optional accessory:

Type of Protection: **Equipment for explosive atmospheres - General Requirements, Intrinsic Safety, Electrical apparatus for use in the presence ot combustible dust - General Requirements, Intrinsic Safety**

Marking: Ex ib [ia Ga] IIC / IIB T4 Gb resp.
Ex ib [ia IIC/IIB Ga] IIC T4 Gb
[Ex ia Da] IIIC

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. Ulrich Johannsmeyer

Position: Department Head "Intrinsic Safety and Safety of Systems"

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 the Official IECEx Website.

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany

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Date of Issue: **2012-02-24** Issue No.: **0**

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

Manufacturing location(s):

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-11 : 2005 Edition: 1	Electrical apparatus for use in the pressence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

*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:
DE/PTB/ExTR11.0066/00

Quality Assessment Report:

DE/TUN/QAR06.0017/03

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Schedule

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

The Remote-I/O Module ANTARES 8AI type 17-6143-1004/00** and ANTARES 8AIH type 17-6143-1005/00** serves to supply power and acquire data for 8 intrinsically safe transmitters in a 2-wire circuit and it is operated as a piece of zone 1 operating equipment in explosive gas atmospheres or as associated apparatus for the dust hazardous area outside the dust hazardous area.The Remote I/O Module is designed for attachment onto a metal DIN mounting rail and through this it is electrostatically connected to the local equipotential bonding. The electronic unit (Remote I/O Module without lower enclosure part) type 17-6143-1004/01** or type 17-6143-1005/01** and the lower enclosure part can be either separated from each other or connected to each other during the operation of the Remote I/O Module.
For further informations see annex.

CONDITIONS OF CERTIFICATION: NO

Annexe: Annex IECEx PTB 11.0059.pdf