

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 BAS 12.0049X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2012-04-23** Page 1 of 3

Applicant: **ABB Limited**
Oldends Lane
Stonehouse
Gloucestershire
GL10 3TA
United Kingdom

Electrical Apparatus: **AZ30 Remote Terminal Box**
Optional accessory:

Type of Protection: **Flameproof & Dust Protection by Enclosure**

Marking: **Ex d IIB+H₂ T6 Gb (Ta -20°C to +70°C)**
Ex tb IIIC T85°C Db (Ta -20°C to +70°C) IP66

Approved for issue on behalf of the IECEX
Certification Body:

RS R S Sinclair **McPowney**

Position: General Manager

Signature:
(for printed version)

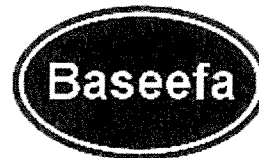
McPowney
23/4/12

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:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **ABB Limited**
Oldends Lane
Stonehouse
Gloucestershire
GL10 3TA
United Kingdom

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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'

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:
GB/BAS/ExTR12.0061/00

Quality Assessment Report:

GB/BAS/QAR08.0001/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The AZ30 Remote Terminal Housing is a cylindrical terminal box with a threaded cover

The internal arrangement comprises a strip of up to nine of screw type through terminals and a strip of up to nine of screw type through terminals, both mounted on a metal mounting plate.

The terminal housing has a M25 (or 3/4 NPT) threaded cable entry in the rear and a cable entry boss is provided on the side of the enclosure threaded M20 or M25 (alternatively 1/2 NPT or 3/4 NPT) all to facilitate the connection of suitably certified cable entry devices

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Ex Equipment and not an Ex Component.

Variation 0.1

A Transmitter Unit as detailed by IECEx BAS 12.0050U may optionally be fitted to the cable entry boss via a Bartec Type 07-91 bushing to IECEx PTB 06.0093U.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Some flamepath gaps are specified tighter than those permitted by Table 2 of IEC60079-1. The manufacturer's instructions shall be consulted for information on these dimensions if required for inspection and/or maintenance
2. For replacement purposes the fasteners shall be stainless steel grade A2/A4-70 or stronger
3. When used in dust atmospheres the cable entries shall be sealed in accordance with IEC 60079-14 to maintain the IP66 rating.