



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 10.0056X issue No.:1

Status: **Current**

Certificate history:
Issue No. 1 (2011-11-29)
Issue No. 0 (2011-2-17)

Date of Issue: **2011-11-29** Page 1 of 4

Applicant: **Synatel Instrumentation Limited**
Walsall Road
Norton Canes
Cannock
Staffordshire
WS11 9TB
United Kingdom

Electrical Apparatus: **MBA2A Mechanical Belt Switch, MBA2RA Mechanical Belt Alignment c/w Belt Rip and MBR2A Belt Rip Switch**
Optional accessory:


Type of Protection: **Dust, Protection by Enclosure Ex tb**

Marking: **II 2D Ex tb IIIC T125°C Db IP66 Tamb -20°C to +50°C**

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Managing Director

Signature:
(for printed version)


29-11-11

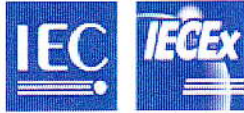
Date:

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: **Synatel Instrumentation Limited**
Walsall Road
Norton Canes
Cannock
Staffordshire
WS11 9TB
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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*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:

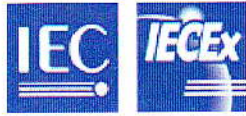
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/BAS/ExTR10.0110/00

GB/BAS/ExTR11.0294/00

Quality Assessment Report:

GB/BAS/QAR06.0065/03



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

There are 3 Mechanical Belt Switch Units:

- MBA2A Mechanical Belt Switch
- MBA2RA Mechanical Belt Alignment c/w Belt Rip
- MBR2A Belt Rip Switch

The Mechanical Belt Switch Units have an Ingress Protection Rating IP66.

See annex for full description

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall be suitably earth bonded via the PCB mounted earth terminal inside the equipment enclosure.
2. Do not allow the nylon roller wall thickness to fall below 8mm. The wall thickness shall be checked after every operation of the switch.
3. Warning: The equipment is a potential static hazard, clean only with a damp cloth.
4. Do not allow dust layers to build up on the equipment.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To allow one enclosure wall to be spot faced.

ExTR: GB/BAS/ExTR11.0294/00

File Reference: 11/0913