



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 08.0014X

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2019-07-30)

Issue No. 0 (2008-02-25)

Date of Issue: **2019-07-30**

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Applicant: **T.E.L. Engineering Limited (Trading as Trolex Engineering)**
Unit 2 Levens Road,
Newby Road Industrial Estate,
Hazel Grove,
Stockport,
Cheshire,
SK7 5DL
United Kingdom

Equipment: **Type TX4799 Slip Ring Unit**

Optional accessory:

Type of Protection: **Ex d**

Marking: **Ex d IIA T6 (-20 °C ≤ Tamb ≤ +50 °C)**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

30-7-19

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](http://www.iecex.com).

Certificate issued by:

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



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T.E.L. ENGINEERING LIMITED



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Manufacturer: **T.E.L. Engineering Limited (Trading as Trolex Engineering)**
Unit 2 Levens Road,
Newby Road Industrial Estate,
Hazel Grove,
Stockport,
Cheshire,
SK7 5DL
United Kingdom

Additional 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 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 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

Edition:4.0

IEC 60079-1 : 2003 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition:5

*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/ExTR08.0036/00](#)

Quality Assessment Report:

[GB/BAS/QAR08.0003/07](#)

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type TX4799 Slip Ring Unit rated at up to 500V ac, 290A with a 10A maximum on an individual ring circuit.

The unit is fabricated from stainless steel and comprises a rotating cylindrical enclosure. The unit pivots on two rotating ball element bearings, with separate seals, and has a mounting stool at the lower end.

Four stainless steel bolt-on hinged access covers are fitted to the cylindrical surface. Two of the access covers incorporate threaded cable entries. The bottom face of the unit (integral with the stator) incorporates threaded cable entries. 'O' ring seals are incorporated in all the cover and component joints.

The inner cylindrical wall (stator) has thirty seven slip ring assemblies attached and the outer cylindrical wall (rotor) has the brush contact assemblies attached. A self regulating anti-condensation heater rated at 30W, 240V is also fitted.

Internal termination facilities are provided for the various incoming and outgoing cables.

Armoured cable is used for the various integral incoming and outgoing cables in conjunction with cable glands as IECEX BAS 06.0014X or as IECEX SIR 06.0082X.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The integral cables must be protected against impact and be terminated in a suitable junction facility.

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

Variation 1.1

This document permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders address. No other changes may be made to the certified design

File Reference: **19/0450**

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