



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.: issue No.:

Status:

Date of Issue: **2012-07-09** Page 1 of 3

Applicant: **JCE (Europe) Ltd**
East Way,
Lee Mill Industrial Estate,
Ivybridge,
Devon,
PL21 9LL
United Kingdom

Electrical Apparatus: **Flameproof Operators, KS, KSS, PB, PBJ, SP, SS1 and SS2**
Optional accessory:

Type of Protection: **Flameproof and Protection by Enclosure**

Marking: Ex d IIC Gb
Ex tb IIIC Db

*Approved for issue on behalf of the IECEx
Certification Body:* S P Winsor

Position: Certification Officer

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

Certificate issued by:

TRaC Global Ltd.
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEx TRC 12.0013U

Date of Issue: 2012-07-09

Issue No.: 0

Page 2 of 3

Manufacturer: **JCE (Europe) Ltd**
East Way,
Lee Mill Industrial Estate,
Ivybridge,
Devon,
PL21 9LL
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/TRC/ExTR12.0012/00](#)

Quality Assessment Report:

[GB/SIR/QAR10.0001/01](#)



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Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The JCE component operators are component devices designed for use within approved equipment enclosures. They consist of a range of operators of varying types manufactured mainly from stainless steel. Plastic materials and aluminium alloy are used for a range of handles and button caps.

The operators have M20 or M25 threaded bodies with locking rings (fitted internal to the final enclosure).

The equipment was evaluated for use with gas group IIC and dust group IIIC, within a temperature range of -40°C to +60°C.

The range assessed consists of the following:

- Type KS (E-stop switch);
- Type KSS (E-stop switch);
- Type SP (E-stop switch);
- Type PB (Push button);
- Type PBJ (Push button);
- Type SS1 (Rotary switch);
- Type SS2 (Rotary 'lockout switch').

CONDITIONS OF CERTIFICATION: NO

Annexe: [Annex to CoC IECEx TRC 12.0013U is 0.pdf](#)



**Annex to IECEx Certificate of Conformity
CoC Ref. No. IECEx TRC 12.0013U issue No.:0**

Schedule of Limitations for Ex Equipment:	
1.	The operators are designed to be used in an ambient temperature range of -40°C to +60°C.
2.	The operators shall only be used in conjunction with enclosures that have a reference pressure of \leq 15bar.





Annex to IECEx Certificate of Conformity
CoC Ref. No. IECEx TRC 12.0013U issue No.:0

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Certification Drawings for KS/PB/PBJ/SP/SS Series operators to Ex d IIC	A3C-3007 (5 pages)	1	2012-06-26
KS/PB/PBJ/SP/SS Series operators Installation and maintenance information	*	1	2012-06-01

* no information provided.