



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

Certificate No.: IECEx BAS 05.0004 issue No.:1

Status: **Current**

Certificate history:  
Issue No. 2 (2009-3-25)  
Issue No. 1 (2006-11-24)

Date of Issue: **2006-11-24** Page 1 of 4

Applicant: **Pepperl + Fuchs GB Limited**  
77 Ripponden Road  
Oldham  
Lancashire  
OL1 4EL  
United Kingdom

Electrical Apparatus: **Type KFD0-CS-Ex\*.5\* Transformer Isolated Loop Powered Current Separator**  
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **IECEx BAS 05.0004**  
**[Ex ia] IIC**  
**[Ex ia] I**  
**-20°C ≤ Ta ≤ +60°C**

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

Position: Managing Director

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:

**Baseefa (2001) Ltd.**  
**Rockhead Business Park**  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Manufacturer: **Pepperl + Fuchs GmbH**  
Königsberger Allee 87  
68307 Mannheim  
Germany

Manufacturing location(s):  
**Pepperl + Fuchs PTE Limited**  
P + F Building  
18 Ayer Rajah Crescent  
139942  
Singapore

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 : 2000** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition: 3.1  
**IEC 60079-11 : 1999** Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'I'  
Edition: 4

*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*

IECEx ATR: <b>UK/BAS/04/0786</b>	File Reference: <b>04/0786</b>
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## Schedule

### EQUIPMENT:

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

The Type KFD0-CS-Ex\*.5\* Transformer Isolated Loop Powered Current Separator is designed to provide an interface between unspecified non-hazardous area apparatus and intrinsically safe circuits in the hazardous area.

The apparatus comprises of a maximum of 2 identical channels; each channel contains a fuse, transformer, zener diodes and other electronic components mounted on a printed circuit board and housed within a plastic enclosure fitted with colour-coded plug-in terminals for external connections.

For models covered by the certificate and their parameters, see data in the Annexe.

### CONDITIONS OF CERTIFICATION: NO



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

### Variation 1.1

To permit the following: -

- i) Minor changes to the PCB lacquering details.
- ii) The changing of the listed Manufacturer to: -

Pepperl + Fuchs GmbH  
Königsberger Allee 87  
68307 Mannheim  
Germany

ExTR: GB/BAS/ExTR06.0126/00

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