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 TUR 12.0005X	Issue No: 0	Certificate history: Issue No. 0 (2012-04-20)
Status:	**Current**	Page 1 of 3	
Date of Issue:	**2012-04-20**		
Applicant:	**Fluidtechnik Fiedler GmbH** Walter-Welp-Strasse 9, 44149 Dortmund **Germany**		
Electrical Apparatus:	**Controller-/ Terminal Box - Type: FTE ******		
Optional accessory:			
Type of Protection:	**Ex d - flameprrof; Ex e - increased safety; Ex i - intrinsic safety**		
Marking:	see explanation in the attachment		

Approved for issue on behalf of the IECEx Certification Body: Dipl.-Ing. Heinz Farke

Position: Deputy Head of ExCB

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.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland®

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Manufacturer:	**Fluidtechnik Fiedler GmbH** Walter-Welp-Strasse 9, 44149 Dortmund **Germany**	
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 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 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

DE/TUR/ExTR12.0008/00

Quality Assessment Report:

DE/TUR/QAR11.0006/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The control and terminal box type FTE is a modular system of certified enclosures, which can be equipped with additional terminals and components. The devices will be combined according to customer specified demands. Therefore an individual documentation for each assembly is available.

The designations of additional components of combined devices are added to the designation label of the main device.

Ex-certified or non-Ex-certified components can be mounted into these pressure proofed enclosures. Only terminals of the specified type of protection are allowed to be mounted into the terminal boxes.

Only components which have a certification to be used within Ex-areas with the required category are allowed to be mounted into the control boxes.

The markings have to be completed by the type of protection of the inserted devices.

The temperature class has to be derived for the actual assembly.

CONDITIONS OF CERTIFICATION: YES as shown below:

The requirements of IEC 60079-14 have to be considered due to the individual setup, wiring and installation.

The special conditions of the certified devices have to be considered and all essential information shall be inserted into the final user documentation.

Only certified cable glands, which are qualified to be used within the particular protection type of the enclosure, shall be used.

Annex:

_ExTR_attachment.doc.pdf

Copy of Marking Plate:

The marking plate (visible, readable and durable) includes the following contents:

- name and address of manufacturer
- type designation
- Ex-marking according to individual setup
- number of certificate
- year of production
- serial number
- technical data incl. ambient temperature according to individual assessment
- warnings

General product information:

The control and terminal box type FTE is a modular system of certified enclosures and control units, which can be equipped with additional terminals and components. The devices will be combined according to customer specified demands. Therefore an individual documentation for each assembly is available.

The designations of additional components of combined devices are added to the designation label of the main device.

Type description

Control **Typ** **FTE * * * ***

Type of protection:
- B: enclosure Ex d IIB
- C: enclosure Ex d IIC

Enclosure material:
- A: Aluminum
- V: V2A
- W: V4A
- S: steel

Company internal (size)

Company internal

Contol- and Terminalbox **Typ** **FTE * * * ***

Type of protection:
- E: Terminalbox Ex e IIC
- I: Terminalbox Ex ia IIC T6
- F: Controlbox Ex e …… (with components mounted inside)

Enclosure material:
- A: Aluminum
- P: Polyester
- V: V2A
- W: V4A

Company internal (size)

Company internal

Ex-certified or non-Ex-certified components can be mounted inside these flameproof enclosures.

Inside the terminal boxes only terminals complying to the specified type of protection are allowed.

Only components which have a certification to be used within Ex-areas with the required EPL are allowed to be mounted into the control boxes.

The marking above have to be completed by the type of protection of the inserted devices.

The temperature class has to be derived from the actual assembly.