



# 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.:  issue No.:  Certificate history:

Status:

Date of Issue: **2009-01-12** Page 1 of 3

Applicant: **GeDi Technik GmbH**  
Ringeldorfer Straße 10  
45968 Gladbeck  
Germany

Electrical Apparatus: **Pressure switch type DWS-1-\*\*-\*\*\*-\*,\*/\*\*\***  
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i"**

Marking: **Ex ib I Mb**


Approved for issue on behalf of the IECEx  
Certification Body:

Dr. R. Jockers

Position:

Head of Certification Body

Signature:  
(for printed version)

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12.01.2009

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:

DEKRA EXAM GmbH  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
DEKRA EXAM GmbH



# IECEX Certificate of Conformity

Certificate No.: IECEX BVS 09.0003

Date of Issue: 2009-01-12

Issue No.: 0

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Manufacturer: **GeDi Technik GmbH**  
Ringeldorfer Straße 10  
45968 Gladbeck  
Germany

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 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"  
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:

[DE/BVS/ExTR09.0005/00](#)

Quality Assessment Report:

[DE/BVS/QAR08.0007/00](#)



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## Schedule

### EQUIPMENT:

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

#### Ratings:

##### Electrical data:

Maximum input voltage  $U_i$  24 V

Maximum input current  $I_i$  50 mA

The maximum internal capacitance  $C_i$  and inductance  $L_i$  are negligible

##### Thermal data:

Ambient temperature range  $-20\text{ }^{\circ}\text{C} \leq T_a \leq +80\text{ }^{\circ}\text{C}$

Type Code

See Annex

### CONDITIONS OF CERTIFICATION: NO



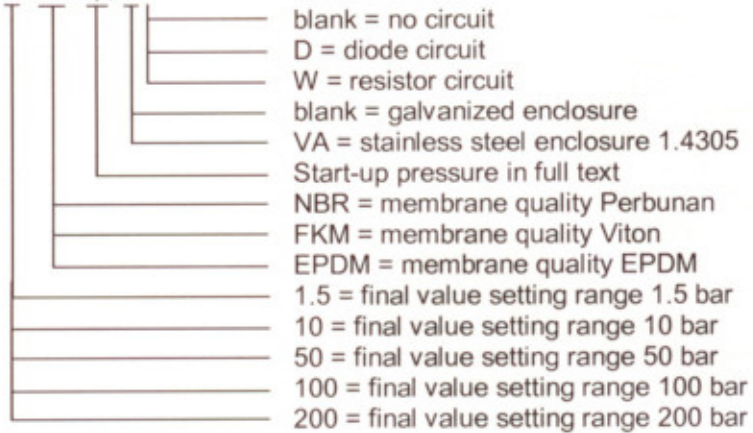
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**Annex**  
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General product information:

Pressure switch type DWS-1-\*\*-\*\*\*- \*\*/\*\*\*\*



The pressure switch, which is used as an accessory component in intrinsically safe installations, contains only parts that do not impair the type of protection Intrinsic Safety.

The potential-free contact (two-way contact) of the pressure switch, which is accommodated into a metal enclosure with a plastic cover, serves as a signal transmitter for non-flammable media of liquid, gaseous or vaporous condition.