

[1] **EC-TYPE EXAMINATION CERTIFICATE**
according to Directive 94/9/EC, Annex III



(Translation)

- [2] Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres, Directive 94/9/EC
- [3] EC-Type Examination Certificate Number: **IBExU06ATEX1049 X**
- [4] Equipment: Pressure switch type AX4 – DS4XX
- [5] Manufacturer: BD Sensors s.r.o.
- [6] Address: Hradistska 817
687 08 Buchlovice
CZECH REPUBLIC
- [7] This equipment mentioned under [4] and any acceptable variation thereto are specified in the schedule to this EC-Type Examination Certificate.
- [8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the Council Directive 94/9/EC of 23th March 1994, certifies that the under [4] mentioned equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential test report IB-06-3-005/1 of 7th March 2006.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 50014:1997+A1+A2, EN 50020:2002 and EN 50284:1999.
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified under [17] in the schedule to this EC-Type Examination Certificate.
- [11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.
- [12] The marking of the equipment mentioned in [4] shall include the following:

II 1G EEx ia IIC T4

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Fuchsmühlenweg 7 - 09599 Freiberg, Germany
☎ +49 (0) 3731 3805-0 - ☎ +49 (0) 3731 23650

Authorised for certifications Explosion protection

By order

(Dr. Lösch)



- Seal-
(ID no. 0637)

Freiberg, 8th March 2006

Certificates without signature and seal are not valid.
Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Schedule

IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg



[1] **1st Addition to**
EC-TYPE EXAMINATION CERTIFICATE IBExU06ATEX1049 X
according to Directive 94/9/EC, Annex III
- Translation -

[2] **Equipment:** **Pressure switch**
a) Type corresponding to IBExU06ATEX1049 X: AX4 - DS4XX
b) Added type: AX4 - DS2XX

[3] **Manufacturer:** BD SENSORS s.r.o.

[4] **Address:** Hradistska 817
687 08 Buchlovice
Czech Republic

[5] **Addition / Alteration**

The additions / alterations of the equipment mentioned in [2] compared with the equipment already certified concern in detail:

- a) The pressure switches are equipped alternatively with new pressure measuring devices.
- b) Extension for a new type with another constructive design.
- c) The equipment fulfils also the requirements of the current standard series EN 60079:2009.

[6] **Test Report**

The proof of the explosion protection of the equipment mentioned in [2] is documented in the Test Report IB-10-3-397 of 11 April 2011. The test documents are part of the Test Report.

[7] **Test result**

IBExU certifies that the equipment mentioned in [2] fulfils the Essential Health and Safety Requirements fixed in Annex II of the Directive 94/9/EC by compliance with EN 60079-0:2009, EN 60079-11:2007 and EN 60079-26:2007.

The equipment stated under [2] fulfils the requirements of explosion protection for electrical equipment in type of protection Intrinsic safety 'ia', Explosion Group IIC/IIB, Temperature Class T4 for Equipment Group II, Category 1G or 2G.

The marking of the equipment stated under [2] have to include one of the following:

Type AX4-DS4XX II 1G Ex ia IIC T4 or II 1G Ex ia IIB T4
Type AX4-DS2XX II 2G Ex ia IIC T4 or II 2G Ex ia IIB T4

This addition is only valid in combination with the EC-Type Examination Certificate IBExU06ATEX1049 X of 8 March 2006.

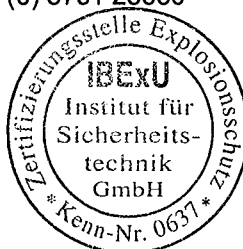
The safety instructions are unchanged and have to be taken into account furthermore.

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Authorized for certifications
- Explosion protection -

By order

(Dr. Wagner)



- Seal -
(Identification No. 0637)

Freiberg, 11 April 2011

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- [1] **2st Addition to**
EC-TYPE EXAMINATION CERTIFICATE IBExU06ATEX1049 X
according to Directive 94/9/EC, Annex III
- Translation -

- [2] Equipment: **Pressure switch**
a) Type corresponding to IBExU06ATEX1049 X: AX4 - DS4XX or DS2XX
b) Added type: Plug-on Display AX4 - PA430

- [3] Manufacturer: BD SENSORS s.r.o.

- [4] Address: Hradistska 817
687 08 Buchlovice
Czech Republic

[5] **Addition / Alteration**

The additions / alterations of the equipment mentioned in [2]b compared with the equipment already certified concern in detail:

Extension to a new type with a different construction and integrated digital display.

All other parameters remain unchanged.

[6] **Test Report**

The proof of the explosion protection of the equipment mentioned in [2]b is documented in the Test Report IB-12-3-134 of 11 July 2012. The test documents are part of the Test Report.

[7] **Test result**

IBExU certifies that the equipment mentioned in [2]b fulfils the Essential Health and Safety Requirements fixed in Annex II of the Directive 94/9/EC by compliance with EN 60079-0:2009 and EN 60079-11:2007.

The equipment stated under [2]b fulfills the requirements of explosion protection for electrical equipment in type of protection Intrinsic safety 'ia', Explosion Group IIC, Temperature Class T4 for Equipment Group II, Category 2G.

The marking of the equipment stated under [2]b have to include the following:

II 2G Ex ia IIC T4 Gb

This addition is only valid in combination with the EC-Type Examination Certificate IBExU06ATEX1049 X of 8 March 2006 and their 1st addition.

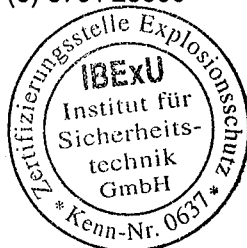
The safety instructions are unchanged and have to be taken into account furthermore.

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(Dr. Wagner)



- Seal -

(Identification No. 0637)

Freiberg, 11 July 2012

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