



[1] **EC-TYPE EXAMINATION CERTIFICATE**
(Translation of 12 February 2010)

[2] Equipment and Protective Systems intended for use
in Potentially Explosive Atmospheres, **Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: **IBExU02ATEX1106**

[4] Equipment or protective system: **Distribution box** type BS 63 __/__/17 ____

[5] Manufacturer: BöSha GmbH & Co. KG

[6] Address: Industriegebiet Heidberg 10
59602 Rüthen, Germany

[7] The design of this equipment or protective system and any acceptable variations 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 Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the equipment or protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive. The test results are recorded in the confidentially test report IB-02-3-376 of 18 September 2002.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 50014:1997+A1+A2, EN 50020:1994, EN 50284:1999, EN 50303:2000 and EN 50281-1-1:1998+A1.

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in [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 or protective system. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment or protective system.

[12] The marking of equipment or protective system shall include the following:

I M1 EEx ia I

I M2 EEx ia/ib I

II 1G EEx ia IIC T6

II 2G EEx ia/ib IIC T6

II 1D T 80 °C IP 67

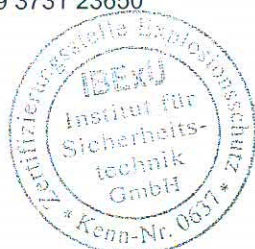
II 2D T 80 °C IP 67

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Authorised for certifications
-Explosion protection-

By order

(Dr. Wagner)



- Seal -
(ID no. 0637)

Freiberg, 18 September 2002

Certificates without signature
and seal are not valid.
Certificates may only be dupli-
cated completely and un-
changed. In case of dispute,
the German text shall prevail.

Schedule

[13] **Schedule**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU02ATEX1106**

[15] **Description of the equipment or protective system**

The Distribution box type BS 63_/ /17_____ serves for the connection of intrinsically safe circuits whose maximum voltage between two adjoining terminals is not more than 45 VDC. The cable entries or flanged accessories must be approved and they must correspond to the degree of protection IP 67 to IP 54 depending on their use.

Technical data

Supply circuits in types of protection EEx ia resp. EEx ib

Rated voltage $U_M \leq 45$ VDC resp. 32 VAC

Ambient temperature range from $- 20$ °C to $+ 40$ °C

IP-Degree of protection IP 67 for enclosure standing alone
IP 54 at flange combinations

Safety instructions

At the use for categories M1 or 1G only EEx ia circuits are permitted. The requirements for wiring in accordance with EN 50303, paragraph 8.4, have to be taken into account for the category M1. If accessories with a lower degree of protection $< IP 67$ are connected to the distribution boxes, this degree of protection has to be indicated on the type plate.

At the use for category 1D, $T = 80$ °C applies only to the passive fittings. The surface temperature for other equipment must be proved by means of routine checks and corresponding dust layers.

Further details are specified in the test documents (see Annex).

[16] **Test report**

The proof of the explosion protection is explained in detail in the confidentially test report IB-02-3-376 of 18 September 2002.

[17] **Special conditions for safe use**

none

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9])

By order

Freiberg, 18 September 2002



(Dr. Wagner)

Annex

Annex

to the EC-Type Examination Certificate IBExU02ATEX1106

Test documents

Serial No.

Signed on:

(1) Beschreibung (4 sheet)	16.09.02
(2) Typenschlüssel	16.09.02
(3) Tabelle „Standardabmessungen“	16.09.02
(4) Tabelle „Maximalbestückung...“	16.09.02
(5) Zeichnung 00-02.92-63/17-00	16.09.02
(6) Zeichnung 00-02.92-63/17-01	16.09.02
(7) Zeichnung 00-02.92-63/17-02	16.09.02
(8) Zeichnung 00-02.92-63/17-03	16.09.02
(9) Zeichnung 00-02.92-63/17-04	16.09.02
(10) Typenschild 00-04.02-63/17-04	16.09.02
(11) Stückliste 00-02-92-63/17-00 (4 sheet)	16.09.02