

[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: **IBExU09ATEX1092**

[4] Equipment: **Power Supply 100W**  
Type 07-7381-1\*00/\*\*\*\*

[5] Manufacturer: Bartec GmbH

[6] Address: Max-Eyth-Straße 16  
97980 Bad Mergentheim  
GERMANY

[7] The equipment mentioned in [4] 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 Council Directive 94/9/EC of 23 March 1994, certifies that the in [4] mentioned equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The test results are recorded in the test report IB-09-3-198 of 6 August 2009.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006, EN 60079-5:2007, EN 60079-7:2007, EN 61241-0:2006, EN 61241-1:2004 and CENELEC-Cor.: 2006 to EN 61241-1:2004.

[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 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. 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 2G Ex e q IIC T4      or  
 II 2D Ex tD A21 IP64 T 135 °C  
-20 °C ≤ Ta ≤ +60 °C

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Authorised for certifications  
-Explosion protection-

By order

(Dr. Wagner)

Schedule



Freiberg, 6 August 2009

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.

[13] **Schedule**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU09ATEX1092**

[15] **Description of the equipment**

The explosion-proof Power Supply type 07-7381-1\*00/\*\*\*\* consists of an aluminium case with two separate terminals and the electronic board installed in the powder filling for the defined supply of devices.

**Technical data**

Ambient temperature range                      -20 °C to +60 °C

Degree of protection of the case              IP 64 (EN 60529)

**Supply circuit**

X1(L); X2 (N); X3 (PE)                      U = (90 ... 253) V AC, (50 ... 60) Hz

**Output circuits**

X4 (PE); X5-6 (GND);	Type 07-7381-1100/****	U = + 5 V DC, I = 20 A
X7-8 (+VDC)	Type 07-7381-1200/****	U = +12 V DC, I = 8,5 A
	Type 07-7381-1300/****	U = +24 V DC, I = 4,2 A

[16] **Test report**

The proof of the explosion protection is recorded in the test report IB-09-3-198. The test documents are part of the test report and are listed there.

Summary of the test results:

The Power Supply type 07-7381-1\*00/\*\*\*\* ELSR-N Ex fulfils the requirements of explosion protection for Equipment Group II and Category 2G for explosive gas atmospheres of the Explosion Group IIC and Category 2D for dust explosive areas.

[17] **Special conditions**

none

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

Confirmed by compliance with standards (see [9]).

By order

Freiberg, 6 August 2009



(Dr. Wagner)

- [1] **1<sup>st</sup> Addition to  
EC-TYPE EXAMINATION CERTIFICATE IBExU09ATEX1092**  
according to Directive 94/9/EC, Annex III



- Translation -

- [2] Equipment: **Power Supply**  
Type 07-7381-1\*\*0/\*\*\*\*
- [3] Manufacturer: BARTEC GmbH
- [4] Address: Max-Eyth-Str. 16  
97980 Bad Mergentheim  
GERMANY

[5] **Addition/Alteration**

The equipment mentioned in [2] can be marked according to the current standards as listed in [7].  
The technical data of the Power Supply are extended for new types:

Supply circuit:

X1(L) X2 (N) X3 (PE) 110 – 230 V ± 10 %, 50-60 Hz  
[AC 90 ... 253 V, 50-60 Hz]

Output circuits:

X5/6 (GND) X7/8 (+)	07-7381-1100/****	+ 5 VDC/ 20 A
X4 (PE)	07-7381-1200/****	+12 VDC/ 8.5 A
	07-7381-1300/****	+24 VDC/ 4.2 A
	07-7381-1410/****	+24 VDC/ 2.1 A
	07-7381-1310/****	+24 VDC/ 4.2 A

[6] **Test Report**

The proof of the explosion protection for the equipment mentioned in [2] is explained in the Test Report IB-14-3-134 of 17 December 2014. The test documents are part of the test report and are listed there.

[7] **Test result**

IBExU certifies that the equipment mentioned in [2] fulfils the in Annex II of Directive 94/9/EC fixed essential health and safety requirements by compliance with EN 60079-0:2012; EN 60079-5:2007, EN 60079-7:2007 and EN 60079-31:2014.

The equipment mentioned in [2] meets the requirements of the explosion protection for equipment of Group II, Category 2G or 2D. The marking has to be:

II 2G Ex e q IIC T4 Gb or II 2D Ex tb IIIC T135 °C Db

II 2G Ex eb qb IIC T4 II 2D Ex tb IIIC T135 °C

-25 °C ≤ Ta ≤ +60 °C

**This addition is only valid in combination with the EC-Type Examination Certificate IBExU09ATEX1092 of 06 August 2009.**

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- Seal -

(Identification No. 0637)

Freiberg, 17 December 2014

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