



# CERTIFICATE



## [1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment, protective systems and components intended for use in potentially explosive atmospheres - Directive 94/9/EC

[3] EC - type examination certificate:

**KDB 05ATEX109X**

[4] Equipment or protective system:

**Distribution Box type ExGR x.xx-MS**

[5] Manufacturer:

**Zakłady Badawczo Produkcyjne „ELDIS” Sp. z o. o.**

[6] Address:

**ul. Narwicka 1, PL 80-557 Gdańsk**

[7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Central Mining Institute, Notified Body number 1453 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment and protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number KDB No. 05.103 [T-5340]

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997+A1:1999+A2:1999; EN 50019:2000;  
EN 50281-1-1:1998+AC:1999+A1:2002

[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 the schedule to this certificate.

[11] This EC-type examination certificate relates only to the design and construction of the specified equipment and protective system in accordance with Directive 94/9/EC. Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

**II 2GD**



**EEx e II T6**

**IP67 T 85°C**

Date of issuance: 23.03.2005

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Central Mining Institute  
Certification Body  
Product Certification Team  
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This certificate and its  
schedules may only be  
reproduced in its entirety and  
without change

KIEROWNIK  
ZESPOŁU CERTYFIKACJI WYROBÓW  
KD „BARBARA” MIKOŁÓW

dr inż. Krzysztof Cybulski



GŁÓWNY INSTYTUT GÓRNICTW  
KIEROWNIK  
Jednostka Certyfikująca

dr inż. Dariusz Stefaniak

[13]

## SCHEDULE

[14]

### EC-Type Examination Certificate KDB 05ATEX109X

[15] **Description:**

Distribution Boxes types ExGR... are designated for connecting power circuits, control circuits and measuring circuits in the potentially explosive gas, vapour and dust atmospheres of group II, temperature classes T1÷T6.

The Distribution Boxes were provided with Screwless terminal (certificate PTB 98ATEX3125U) and cable glands (integrated part of cover) for 9mm, 13mm, 17mm cables.

Distribution Boxes types ExGR... are manufactured in four variations as the case of number of cable glands.

#### Technical parameters:

Rated voltage	550 V
Rated frequency	50 Hz
Rated current	20 A - screwless terminal for 2,5 mm <sup>2</sup> ; 27 A - screwless terminal for 4 mm <sup>2</sup> ;
Relative humidity	98±2 %
Operational temperature	-25°C to +45°C
Degree of protection provided by enclosure	IP67







[13]

## SCHEDULE

[14]

### EC-Type Examination Certificate KDB 05ATEX109X

[16] **Test report:**

Report no. KDB Nr 05.103

[17] **Special condition for safe use:**

- As the replacing elements, can be use only those specified in the descriptive documentation;
- Distribution Box operational temperature: -25°C to +45°C;

[18] **Essential health and safety requirements:**

Met by compliance with standards listed in section 9. of this Certificate.

[19] **Descriptive documents:**

Technical Documentation „Distribution Box type ExGR x.xx-MS”		March 2005
Fig. „Distribution Box type ExGR x.xx-MS”	Ex GR.00	07.01.2005
Fig. „Enclosure of distribution box”	Ex OW-GR.00	07.01.2005
Fig. „Body K-OW 2.2”	Ex OW-GR.01/2	07.01.2005
Fig. „Body K-OW 2.2L”	Ex OW-GR.01/2L	07.01.2005
Fig. „Body K-OW 2.3”	Ex OW-GR.01/3	07.01.2005
Fig. „Body K-OW 2.4”	Ex OW-GR.01/4	07.01.2005
Fig. „Cover PGR-OW of distribution box”	Ex OW-GR-02	07.01.2005
Fig. „Gland M27x1,5”	Ex OW-GR.03	07.01.2005
Fig. „Round washer 24/13”	Ex OW-GR.04	07.01.2005
Fig. „Gasket of enclosure”	Ex OW-GR.05	07.01.2005
Fig. „Gasket 24/9”	Ex OW-GR.06	07.01.2005
Fig. „Data plate”	Ex GR.01	07.01.2005
Instruction of safety use and servicing of the flameproof distribution boxes.		March 2005

