

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **DEKRA 14ATEX0009 X** Issue Number: 1

(4) Equipment: **Control Box, Series AGBK.**

(5) Manufacturer: **Protaş Proje Mühendislik İnşaat Elektrik San. Ticaret AŞ**

(6) Address: **Fehmi Tokay Sok. Örnek Mah. No. 12 D.6
Ataşehir-Istanbul, Turkey**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 assessment report number 216433300.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2009

EN 60079-1 : 2007

(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 the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



I M2 Ex d I Mb T 47 °C

This certificate is issued on 26 January 2015 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

M. Erdhuizen
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 14ATEX0009 X**

Issue No. 1

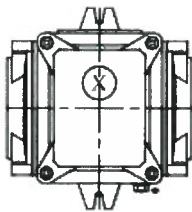
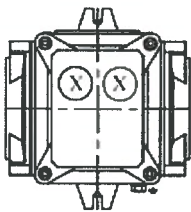
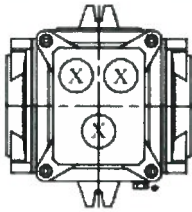
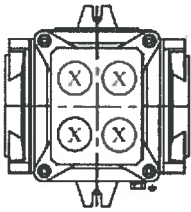
(15) **Description**

The Control Box, Series AGBK. is to be used in hazardous areas in mines where there is a risk of explosion of wet damp, coal gas, methane or coal dust.

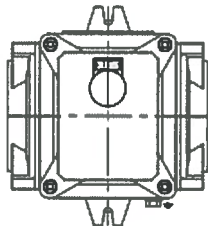
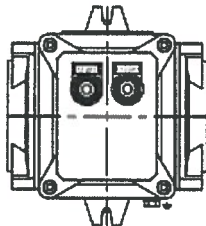
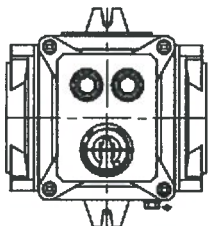
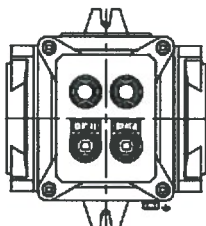
The control box is a cast iron enclosure in type of protection: Protection by Flameproof Enclosure. The control box can be provided with a potentiometer, switch buttons, an emergency stop or signal lights in several combinations with a minimum of one and a maximum of four elements.

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

Nomenclature:

APPLICATION SAMPLE		
		
FIGURE.A AGBK.X └─ 0,1,2,3,4,5	FIGURE.B AGBK.XX └─ 1,2,3,4,5 └─ 1,2,3,4,5	
		
FIGURE.C AGBK.XXX └─ 0,3,4 └─ 1,2,3,4,5 └─ 1,2,3,4,5	FIGURE.D AGBK.XXXX └─ 1,2,3,4,5 └─ 1,2,3,4,5 └─ 1,2,3,4,5 └─ 1,2,3,4,5	
APPLICATION OPTIONS FOR THIS CONTROL BOX		
0	Potentiometer	TYPE
1	Start Button	AGBK .X.....A
2	Stop Button	AGBK .XX.....B
3	Emergency Stop Button Without lock	AGBK .XXX.....C
3A	Emergency Stop Button With lock	AGBK .XXXX.....D
4	Red Signal	
5	Green Signal	

EXAMPLES

AGBK .3A 	AGBK .12 
Emergency Stop Button With Lock	Start Button , Stop Button
AGBK .540 	AGBK .5412 
Green Signal , Red Signal Potentiometer	Green Signal . Red Signal Start Button , Stop Button

Dimensions, excluding buttons, (LxWxH): 150x220x240 mm.
Entry threads: M20x1,5 or M25x1,5 or M32x1,5

The Control Box provides a degree of protection of IP65 in accordance with EN 60529

(13) **SCHEDULE**

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Issue No. 1

Electrical data

Signal contact: max. 10 A, max. 250 V

Button contact: max. 3 A, max. 250 V

Potentiometer: 5 k Ω , max. 1 W

Signal lamp: max. 0,7 W

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Assessment Report**

No. 216433300.

(17) **Specific conditions of use**

For information about the flameproof joint dimensions the equipment manufacturer shall be contacted.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Assessment Report No. 216433300.