



Translation

**EC-Type Examination Certificate**

(1)

(2)

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

(3)

**BVS 10 ATEX E 062 X**

(4)

**Equipment: Cable gland series type EXIOS 20-1, type EXIOS 20-2,  
type EXIOS 20-3, type EXIOS 25, type EXIOS 32, type EXIOS 40,  
type EXIOS 50, type EXIOS 63 and type EXIOS 75**

(5)

**Manufacturer: HUMMEL AG**

(6)

**Address: 79211 Denzlingen, Germany**

(7)

The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8)

The certification body of DEKRA EXAM GmbH, notified body no. 0158 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 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 the test and assessment report BVS PP 10.2198 EG.

(9)

The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2009	General requirements
EN 60079-1:2007	Flameproof enclosure
EN 60079-7:2007	Increased Safety
IEC 60079-31:2008	Protection by enclosures

(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 appendix to this certificate.

(11)

This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to 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:



**II 2G Ex de IIC Gb  
II 1D Ex ta IIIC Da**

**DEKRA EXAM GmbH**

Bochum, dated 2<sup>nd</sup> August 2010

Signed: Dr. Eickhoff

Signed: Schumann

Certification body

Special services unit

(13) Appendix to

(14) **EC-Type Examination Certificate**

**BVS 10 ATEX E 062 X**

(15) 15.1 Subject and type

Cable gland series type EXIOS 20-1, type EXIOS 20-2, type EXIOS 20-3, type EXIOS 25, type EXIOS 32, type EXIOS 40, type EXIOS 50, type EXIOS 63 and type EXIOS 75.

15.2 Description

The cable glands are intended to be attached to equipment of the type of protection Flameproof Enclosure d and Increased Safety e; they serve the purpose of entries for permanent cables and wires or, in the case of reinforced cables and wires, as entries for non-permanent cables and wires. The cable glands are also suitable for use in atmospheres where combustible dusts are present.

15.3 Parameters

Permitted temperature range of the cable glands -60 °C to +105 °C

The ambient temperature of electrical equipment is usually limited to  $-20\text{ °C} < T_a < +40\text{ °C}$ . The maximum ambient temperature permitted for these cable glands may be exceeded or fall below as long as the permitted temperature range of the cable glands is met with each specific use, i.e. a range of  $-60\text{ °C}$  to  $+105\text{ °C}$ .

IP degrees of protection according to EN 60529 IP 68 and IP 66

(16) Test and assessment report

BVS PP 10.2198 EG as of 02.08.2010

(17) Special conditions for safe use

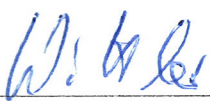
The cable glands have to be used together with permanent installations of cables and wires unless the cables and wires in question are reinforced.

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 16.08.2010  
BVS-Ld/Ar E 1368/10

**DEKRA EXAM GmbH**

  
\_\_\_\_\_  
Certification body

  
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Special services unit