

Translation

(1) 1. Supplement to the EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC Supplement accordant with Annex III number 6

- (3) No. of EC-Type Examination Certificate: **BVS 10 ATEX E 062 X**

- (4) Equipment: **Cable glands type EXIOS and EXIOS-MZ**

- (5) Manufacturer: **Hummel AG**

- (6) Address: **Lise-Meitner-Str. 2, 79211 Denzlingen, Germany**

- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.

- (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 60079-0:2012 General requirements
EN 60079-1:2007 Flameproof enclosure
EN 60079-7:2007 Increased safety
EN 60079-31:2009 Protection by enclosures „t“

- (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 supplement to the 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
IP66/IP68

DEKRA EXAM GmbH
Bochum, dated 19th April 2013

Signed: Simanski

Certification body

Signed: Dr. Eickhoff

Special services unit

(13) Appendix to

(14) **1. Supplement to the 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, type EXIOS 75,

type EXIOS-MZ 20-1, type EXIOS-MZ 20-2, type EXIOS-MZ 20-3, type EXIOS-MZ 25, type EXIOS-MZ 32, type EXIOS-MZ 40, type EXIOS-MZ 50, type EXIOS-MZ 63 and type EXIOS-MZ 75

15.2 Description

The cable gland series type EXIOS 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.

A new variant with an additional mechanical clamping device and a design option was added, the type name of the variant is EXIOS-MZ.

The design option is to manufacture the gland types up to EXIOS 63 and EXIOS-MZ 63 with entry threads that are one size up from the nominal quoted gland size.

In this Issue the cable glands have been tested and assessed in acc. with current standard versions.

15.3 Parameters

Permitted temperature range of the cable glands

-60 °C up to +105 °C

The ambient temperature of electrical equipment is usually limited to $-20\text{ °C} \leq T_a \leq +40\text{ °C}$.

The maximum ambient temperature permitted for these cable glands may be exceeded or fall below as long as the temperature of the cable glands meets -60 °C up to +105 °C.

Degrees of protection according to EN 60529

IP 68 and IP 66

(16) Test and assessment report

BVS PP 10.2198 EG as of 19.04.2013

(17) Special conditions for safe use Installation instructions

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

The cable glands type EXIOS-MZ are not needed to be used together with permanent installations.

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.

DEKRA EXAM GmbH
44809 Bochum, 19th April 2013
BVS-Ld/Mu A 20120220



Certification body



Special services unit