



Translation

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

(2) **- Directive 94/9/EC -**

Equipment and protective systems intended for use  
in potentially explosive atmospheres

(3) **BVS 04 ATEX E 259**

(4) **Equipment:** Three phase cage motor type 4KTCR 80, type 4KTCR 90,  
type 4KTCR 100, type 4KTCR 112 and type 4KTCR 132

(5) **Manufacturer:** Bartec - Varnost d.o.o.

(6) **Address:** SI - 1410 Zagorje ob Savi

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

(8) The certification body of EXAM BBG Prüf- und Zertifizier 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 04.1130 EG.


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

EN 50014:1997+A1-A2	General requirements
EN 50018:2000+A1	Flameproof enclosure
EN 50019:2000	Increased safety

(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 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:

 **I M2 EEx de I resp. EEx d I**

**EXAM BBG Prüf- und Zertifizier GmbH**

Bochum, dated 20. December 2004

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

(13) Appendix to

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

**BVS 04 ATEX E 259**

(15) 15.1 Subject and type

Three phase cage motor type 4KTCR 80, type 4KTCR 90, type 4KTCR 100, type 4KTCR 112 and type 4KTCR 132

15.2 Description

The three-phase cage motors are designed in type of protection Flameproof enclosure for the stator housing and in type of protection Increased safety or Flameproof enclosure for the terminal box.

Duty type S1:

For direct temperature monitoring the stator windings of the motors are optionally equipped with temperature sensors (PTC DIN 44081).

Duty type S2 up to S10:

For direct temperature monitoring the stator windings of the motors are equipped with 3 temperature sensors (PTC DIN 44081-145). The temperature sensors are connected in series and will be connected to a control unit which is certified for this purpose.

15.3 Parameters

Not applicable

(16) Test and assessment report

BVS PP 04.1130 EG as of 20.12.2004

(17) Special conditions for safe use

None

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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, 11.04.2005  
BVS-Ru/Mi A 20030746

**EXAM BBG Prüf- und Zertifizier GmbH**

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

  
\_\_\_\_\_  
Special services unit