Translation

(1) 5. 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 04 ATEX E 037 X**

(4) Equipment: **Three phase cage motor type SK *** */* 2D ******

(5) Manufacturer: **Getriebebau Nord GmbH & Co. KG**

(6) Address: **Rudolf-Diesel-Straße 1, 22941 Bargteheide, 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 04.2021 EG

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

EN 60079-0:2009 General requirements
EN 60079-31:2009 Protection by enclosure "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 2D Ex tb IIIC T***°C Db

DEKRA EXAM GmbH
Bochum, dated 17th May 2013

Signed: Hans-Christian Simanski
Certification body

Signed: Dr. Michael Wittler
Special services unit

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Phone +49.234.3696-105 Fax +49.234.3696-110 zs-exam@dekra.com

(13) Appendix to

(14) **5. Supplement to the EC-Type Examination Certificate**
BVS 04 ATEX E 037 X

(15) 15.1 Subject and type

Three phase cage motor type SK ***[1] *[2]/*[3] 2D ******[4]

[1] : State the shaft height (63 up to 200)

[2] : Defines performance within the shaft height (S, M, L, LA, MA, SA, LX, MX, SX, X, Y, A, R or LB). The letters can be added by letters N, H or P. The added letters indicates indirectly an energy class.

[3] : States the number of poles (2, 4, 6, etc.)

[4] : Optional details of versions supplied:
TF = PTC thermistor
RD = Shelter
WE = Second shaft end
KB = Borehole for condensation

15.2 Description

Though manufactured in the same version, the three-phase motors are available with different dimensions.

Optionally, the motors can be equipped with temperature sensors for direct temperature control of the stator coils (thermistor DIN 44082).

Instead of the sealants used so far, the gaps between the stator enclosure and the A- and B-sides of the bearing shield can also be sealed by inserting a flat seal between them.

Engines designated for operation in an ambient temperature range of -20 °C up to 40 °C can also be deployed at limited rated output in areas exceeding these values, however, only up to a maximum ambient temperature of 60 °C.

The motor can now be used with converter, if the temperature rise tests have been carried out with the used converter or a comparable converter with identical parameters.

Reason for this supplement is the converter use, the new shaft heights (160, 180 and 200) and the update to the current standards.

15.3 Parameters

The exact definition of the parameters of the electrical design of the motor including the ambient temperature range and if applicable the direct temperature monitoring will be carried out by the manufacturer.

The control of these definitions during the temperature rise test and the evaluation will be done by the manufacturer under their own responsibility according to the agreement with the BVS.

(16) Test and assessment report

BVS PP 04.2021 EG as of 17.05.2013

(17) Special conditions for safe use

The lid of the terminal boxes must be protected against a high mechanical risk.

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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.

DEKRA EXAM GmbH
44809 Bochum, 17th May 2013
BVS-Kir/Mu A 20100442

Certification body

Special services unit

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