

(1) EC-TYPE EXAMINATION CERTIFICATE**(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC****(3) EC-Type Examination Certificate Number: KEMA 02ATEX2135 U Issue Number: 3****(4) Component: Three-phases asynchronous cage motors series Sh 90..., KSSKh 90..., Sg 100..., KSSKg 100..., Sg 112..., KSSKg 112..., Sg 132..., KSSKg 132..., Sg 160..., KSSKg 160..., Sg 180...and KSSKg 180... including terminal box.****(5) Manufacturer: Fabryka Maszyn Elektrycznych Indukta SA****(6) Address: ul. M. Grazynskiego 22, 43-300 Bielsko-Biala, Poland****(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.****(8) KEMA Quality 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 component 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 report no. 210919000.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**EN 60079-0 : 2006
EN 61241-1 : 2004****EN 60079-7 : 2007****EN 61241-0 : 2006****(10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.****(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified component according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.****(12) The marking of the component shall include the following:****II 2 G Ex e II
II 2 D Ex tD A21 IP6X**

This certificate is issued on 5 June 2008 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.

KEMA Quality B.V.

C.G. van Es
Certification Manager

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KEMA Quality B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 26 3 56 20 00 F +31 26 3 52 58 00 customer@kema.com www.kema.com Registered Arnhem 09085396

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2135 U** Issue No. 3

(15) **Description**

Motor frame constructions with designations according to EN 60034-7 for the three-phases asynchronous cage motors series Sh and KSSKh 90...; Sg and KSSKg 100...; Sg and KSSKg 112...; Sg, KSSKg 132...; Sg, KSSKg 160... and Sg, KSSKg 180... including terminal box.

Motors with horizontal and vertical shafts for foot and/or flange mounting and related mounting arrangements.

Ambient temperature range -40 °C ... +40 °C.

Also use of alternative increased safety terminal blocks for motor Sg 132..., Sg160... and Sg180.. for a minimum ambient temperature of -20 °C and the construction of the flange, shaft and bearing for direct mounting of a gearbox to the motors. The model codes for these versions will be KSSKg...

Electrical data

Voltage max. 690 V, 50 Hz

Installation instructions

For use in the presence of combustible dust:
The degree of protection of at least IP6X to EN 60529 is only achieved if certified cable entries are used that are suitable for the application and correctly installed. Unused apertures shall be closed with suitable blanking elements.

The built-in winding PTC thermistors (DIN 44 081 or 44 082 140 °C) or KTY 84-1... sensors in combination with a protective device shall be installed in the motor circuits in such a way that operation of the PTC thermistors or KTY84-1... sensors leads to switching-off of the motor.

Routine tests

None.

(16) **Test Report**

KEMA No. 210919000.

(17) **Special conditions for safe use**

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 210919000.