

Hanover, 08/29/2016

Inspector: Mr. Klein

Report no.: SEIS-H 2016-11-02

Report
about the inspection of one high-voltage squirrel cage AC-Motor
of the company MENZEL Elektromotoren GmbH for using in the Zone 2
- 1/2 -

Manufacturer Menzel Elektromotoren GmbH
Neues Ufer 19 – 25
10553 Berlin, Germany

Object of testing High-Voltage AC-Motor, Squirrel cage motor

- Test item**
1. DIRECTIVE 2014/34/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres, ANNEX II, Essential Health and Safety Requirements Relating to the Design and Construction of Equipment and Protective Systems Intended For Use in Potentially Explosive Atmospheres.
 2. DIN EN 60079-0: 2012 Explosive atmospheres - Part 0: Equipment - General requirements
 3. DIN EN 60079-15: 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"



Sources of information

1. Instruction Manual, MEBKGRN 315 L-02-159
2. Test Report, 07/22/2016
3. Declaration of Conformity - Motor
4. Considering by Systemtechnik Gorks, 08/30/2016
5. Declaration of Conformity – Phase Segregated Terminal Box
6. Type examination certificate – Phase Segregated Terminal Box, Sira 03 ATEX 4223U

Object of testing: 1 pcs. High-voltage AC-Motor (squirrel cage)
Type: MEBKGRN 315 L -02-159
Serial-no: 145027-0003-2016-35581
Main technical datas: 300 kW, 3300 kV, 2-pole, 50 Hz
Frame size 315

Result

The motor with the above serial-no is suitable to work in the hazardous area

Zone 2
Temperature class T3

and comply according to the directive 2014/14/EC Annex II according to equipment group II and the category group 3G

For the execution of above mentioned AC-Motor is essentially the presentation by Menzel Elektromotoren GmbH with the marking "II 3G Ex nA IIC T3 Gc".

Important Notice

The Phase Segregated Terminal Box (stand by) has to be mounted according the national requirements of explosion proof equipment. Additional information see certificate Sira 03 ATEX 4223U.

TÜV NORD Systems GmbH & Co. KG
Industrial facilities department
Plant safety/Explosion protection


Dipl.-Ing. Klein