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(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**

EPS 13 ATEX 1 593 U

Revision: 0

(4) **Component:** Stator Winding R.T.D R810 Series

(5) **Manufacturer:** WISE CONTROL INC.

(6) **Address:** 2022, Deogyong-Daero, Giheung-Gu, Yongin-Si, Gyeonggi-Do, Korea

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 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 of the Directive. The examination and test results are recorded in the confidential report 13TH0185.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012

EN 60079-7:2007

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-Type Examination Certificate relates only to the design and the construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include the following:



II 2G Ex e IIC Gb

Certification department of explosion protection

Türkheim, October 25, 2013



D. Zitzmann

Page 1 / 3

Certificates without signature are void. This certificate is allowed to be distributed only if not modified.
Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.



**BUREAU
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(13)

Annexe

(14) **EC-Type Examination Certificate EPS 13 ATEX 1 593 U**

(15) Description of component:

The purpose of the Stator Winding RTD is to mainly detect and prevent overheating of motors. It is inserted in between a stator and a slot to measure a temperature.

The resistance thermo-sensor can be used with consideration of the applied power in the given type of protection.

Electrical data:

Measuring current:	0.2 – 5.0 mA
Maximal measuring current:	5.0 mA
Operating voltage:	< 30 V

(16) Test report: 13TH0185

(17) Special conditions for safe use:

During installations, it has to be ensured that the insulation of the thermo-sensor and the connecting cable do not get damaged.

During assembly and operation high bending stresses as well as punctual mechanical stresses have to be avoided.

The wires must be permanently connected by means of suitable terminal. The connection does not have a polarity. The connection in hazardous areas must be done in an explosion-proof manner.

The thermo-sensor may only be connected to approved power supplies / control units for passive resistance sensors that are intended for the use with the respective system, designed to provide safety extra-low voltage outputs. The power supply unit and the control unit need to provide terminals that correspond to the thermo-sensor's type of circuitry. The electrical Parameters and the corresponding standard for the thermo-sensor must be observed.

The installation of the thermo-sensor must be defined in the EC-type examination certificate for the respective electrical equipment.



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VERITAS**

The dielectric strength test (see technical data) refers to the functional isolation of the thermometer. According to the specification of the circuit built-in the thermometer together with the specification of the motor / generator additional insulation must be provided if necessary.

The ambient temperature range differs from the standard ambient temperature range and is assigned in the instruction manual.

The temperature classes T3 to T6 have to be observed according to a specific application.

(18) Essential health and safety requirements:

Met by standards.

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