

Translation

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

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

TÜV NORD



(3) **Certificate Number** TÜV 08 ATEX 554135 X
(4) for the equipment: Ex-mini thermostat IRM 2 Ex
(5) of the manufacturer: Quintex GmbH
(6) Address: Becksteiner Str. 100
97922 Lauda-Königshofen
Order number: 8000554135
Date of issue: 07.05.2008

- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system 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 confidential report No. 07 203 554135.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2006 **EN 60079-18:2004**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 the 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 or protective system must include the following:

 **II 2 G Ex mb IIC T6, T5, T4 bzw. T3 (see schedule)**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body


Schwedt

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(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 08 ATEX 554135 X**

(15) Description of equipment

The Ex-mini thermostat IRM Ex 2 is used for ambient temperature monitoring. It switches ohm resistive loads directly or by a load contactor.

The mini thermostat consists of a screw connection body, in which a bimetal disc thermostat is encapsulated and a connection cable, which is open-ended.

As the screw connection body is used a certified cable gland of metal.

Type key

IRM	Industrial control elements mechanical
2	Screw connection body of metal
Ex	For hazardous areas

Technical data

Rated voltage	250 V AC
Rated current	16 A
Switching points	-55 °C bis +110 °C
Degree of protection	IP68
Permitted range of the ambient temperature (Connection cable RADOX 155 bis -55 °C, Connection cable RADOX 125 bis -40 °C)	Temperature class
-55 °C / -40 °C bis +40 °C	T6
-55 °C / -40 °C bis +55 °C	T5
-55 °C / -40 °C bis +90 °C	T4
-55 °C / -40 °C bis +110 °C	T3

(16) Test documents are listed in the test report No. 07 203 554135.

(17) Special conditions for safe use

The open-ended connection cable must be connected outside of the hazardous area or inside of an enclosure with an adequate type of protection.

The circuit of the mini thermostat must be fused with a line safety switch with the tripping characteristic C to the rated current of 16 A.

(18) Essential Health and Safety Requirements

no additional ones