

EU - Type Examination Certificate

(1)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 15 ATEX 1 997 X

Revision 1

(4) Equipment: Temperature sensor type: QRP-....

(5) Manufacturer: Quintex GmbH

(6) Address: i_Park Tauberfranken 13
97922 Lauda-Königshofen
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 15TH0038.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2018


EN 60079-7:2015

EN 60079-31:2014

(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 annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

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

 II 2G Ex eb IIC T6....T1 Gb

 II 2D Ex tb IIIC T85°C....T220°C Db



Certification department of explosion protection

H. Schaffer



Hamburg, 2019-06-26

(13)

Annex

(14) **EU - Type Examination Certificate EPS 15 ATEX 1 997 X**

Revision 1

(15) Description of equipment:

The temperature sensor is designed for temperature measurement in heaters.

Electrical data:

Rated voltage: max. 60 V

Rated current: max. 5 mA

Type Key:

QR.-0200-3 -35 /code nos. having no influence on ex-protection

QRP = Quintex Temperature Sensor PT100 PTFE

:

Temperature Measuring Range :

ex. -50220 = -50...+220°C

0200 = 0...+200°C

:

:

Wire Connection:

2 = 2- conductors

3 = 3- conductors

4 = 4- conductors

Cable length (dm):

z.B. 35 = 3,5m

:

:

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Revision 1

(16) Reference number: 15TH0038

(17) Special conditions for safe use:

Ambient temperature range: $-50\text{ °C} \leq T_{\text{amb}} \leq +220\text{ °C}$

Maximum permissible process temperature: $\leq +220\text{ °C}$

The explicit temperature class and surface temperature of the Ex identification results from the process temperature in the range of the measuring tip. See manual.

The connecting cable of the temperature sensor is installed in accordance with the requirements of EN 60079-14 in an approved explosion-proof junction box. Certified cable glands shall be used (see manual, installation).

The temperature 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 sensors type of circuitry. The electrical parameters and the corresponding standard for the sensor must be observed.

(18) Essential health and safety requirements:

Met by compliance with standards.

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