



**BUREAU
VERITAS**



(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 12 ATEX 1 457 X

(4) Equipment: Electrical heating circuit QE...

(5) Manufacturer: Quintex GmbH

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

(7) This equipment 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 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 report 11TH0239.

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

EN 60079-0:2009

EN 60079-7:2007

EN 60079-31:2009

(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 schedule to this certificate.

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

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



II.2G Ex e IIC T6/T5/T4/T3 Gb

II.2D Ex tb IIIC T135°C Db IP65

Certification department of explosion protection

Türkheim, September 10, 2012


M. Hänchen

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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.
This certificate is internally administered under the following number: 12-178



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Annexe

(13)

(14) **EC Type Examination Certificate EPS 12 ATEX 1 457 x**

(15) Description of equipment:

The heating circuit type QE... is used for electric heating of pipes, basins, protection boxes etc. It consists of a self limiting heating tape ILL /FSLE), ILLW (FSR), ILM (FSE), ILMP (FSP), ILH (FSS) or ILS (FSU) or a comparable certified self-limiting heating tape with corresponding heating tape end termination and a metallic cylindrical connection enclosure with ceramic terminal block inside for electrical connection of a heat resistant supply cable. Alternatively the connection of a certified single core heating cable is possible.

Depending on the conditions of use, the maximum service temperature of the selected heating tape shall not be higher than the specified maximum ambient temperature.

In case of a not self-limiting heating cable this must be used together with a certified, explosion protected regulating and limiting unit. The installation of the heating circuit must be done and documented as described in the instruction manual. The documentation must be stored at a safe place.

Electrical data:

Rated voltage: $U = 12V$ to $400V$

Maximum rated current: $I_{max} = 20A$

(16) Test report: 11TH0239

(17) Special conditions for safe use:

The ambient temperature range of the respective heating tape respectively heating cable must be respected. The connection technology is generally not to be used for temperature class T2 or T1.

(18) Essential health and safety requirements:

Met by standards.

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Türkheim, September 10, 2012


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