

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

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

(3) EU - Type Examination Certificate Number

**EPS 16 ATEX 1 099**

**Revision 1**

(4) Equipment: Ex-d Signal tower Type QA-0191-0150-4 \_\_\_ / \_\_\_  
Ex-d LED-Matrix Display Type QA-0191-0150-\_\_\_ D / \_\_\_

(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 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 16TH0233.

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

**EN 60079-0:2012+A11:2013**

**EN 60079-1:2014**

**EN 60079-28:2016**

**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:

Signal tower:

LED-Matrix Display:



II 2G Ex db IIC T6/T5 Gb



II 2G Ex db op is IIB T4 Gb

II 2D Ex tb IIIC T120°C Db

II 2D Ex tb op is IIIC T120°C Db

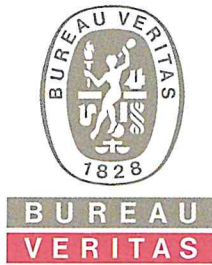


Certification department of explosion protection

Hamburg, 2019-12-19

H. Schaffer





(13)

## Annex

(14) EU - Type Examination Certificate EPS 16 ATEX 1 099

Revision 1

(15) Description of equipment:

Flameproof signal towers can be operated in hazardous areas of zone 1 or 2 (gas group IIA, IIB, IIC, Temperature class T5 and T6) or in zone 21 or 22, dust group IIIC, T120°C. The flameproof LED-Matrix-Displays can be operated in hazardous areas of zone 1 or 2 (group IIA, IIB, temperature class T4) or in zone 21 or 22, dust group IIIC, T120°C. Both versions consist of a flameproof and dustproof enclosure „Ex-d“ in which the signal modules / LED-Displays are installed. For connecting there are Ex cable glands or line bushings available which are approved for hazardous areas.

Max. ambient temperature: -40°C to +50°C (Ex-d signal tower)

-20°C to +40°C (LED-Matrix-Display QX-VisuEx)

Electrical data:

Rated Voltage U = 5 - 265 V AC/DC

Max. input power: 28 W (Ex-d signal tower), 72 W (QX-VisuEx)

(16) Reference number: 16TH0233

(17) Special conditions for safe use:

none

(18) Essential health and safety requirements:

Met by compliance with standards.

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