



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX EPS 16.0046** Page 1 of 4 Certificate history:  
Issue 0 (2016-06-27)

Status: **Current** Issue No: 1

Date of Issue: 2020-01-07

Applicant: **Quintex GmbH**  
i\_Park Tauberfranken 13  
D-97922 Lauda-Königshofen  
Germany

Equipment: **Signal tower type QA-0191-0150-4 \_\_\_ / \_\_\_ \_\_\_, LED-Matrix-Display type QA-0191-0150-\_\_\_ D / \_\_\_**

Optional accessory:

Type of Protection: **"db", "tb"**

Marking:

for QA-0191-0150-4 ___ / ___ __	for QA-0191-0150-___ D / ___
Ex db IIC T6/T5 Gb	Ex db op is IIB T4 Gb
Ex tb IIIC T120°C Db	Ex tb op is IIIC T120°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

**H. Schaffer**

Position:

**Certification Manager**

Signature:  
(for printed version)

2020-01-07

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **Quintex GmbH**  
i\_Park Tauberfranken 13  
D-97922 Lauda-Königshofen  
Germany

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements  
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation  
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

DE/EPS/ExTR16.0046/00

DE/EPS/ExTR16.0046/01

Quality Assessment Reports:

DE/EPS/QAR11.0001/03

DE/EPS/QAR11.0001/08



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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 (gas 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 signal modules 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)

Rated Voltage U = 5 - 265V AC/DC

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

**SPECIFIC CONDITIONS OF USE: NO**



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Addition of LED-Matrix-Display QX-VisuEx

Update to newer standards