



(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 11 ATEX 1 366 U

Revision 2

(4) Component: Empty Cabinets, Type: Q_ - ____ - ____ - __8/ ____

(5) Manufacturer: Quintex GmbH

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

(7) This component 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 component 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 11TH0195.

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

EN 60079-0:2009

EN 60079-2:2007

EN 60079-7:2007

EN 60079-31:2009

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

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

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

II 2 G Ex e IIC Gb

II 2 D Ex tb IIIC Db IP66



II 2 G Ex px IIC Gb



II 2 D Ex tb IIIA Db IP54/IP66

II 2 G Ex py IIC Gb

II 3 D Ex tc IIIB Dc IP54/IP66

II 3 G Ex pz IIC Gc

Certification department of explosion protection

Nuremberg, 2015-06-11



D. Zitzmann

(13)

Annex

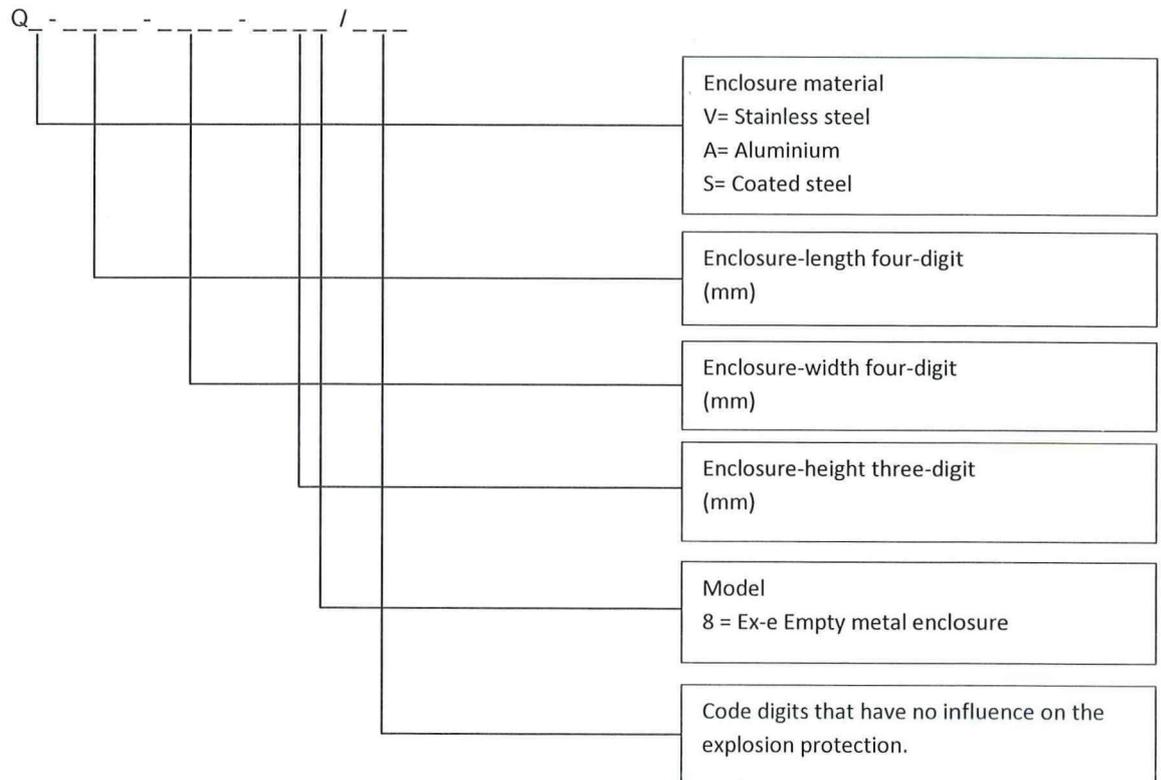
(14) EC-Type Examination Certificate EPS 11 ATEX 1 366 U

Revision 2

(15) Description of component:

The enclosure series Empty Cabinets, type Q_ - ____ - ____ - __8/___ is type of protection increased safety and dust-proof or dust-protected design respectively. It can be used for installations in type of protection increased safety, pressurized enclosures and encapsulation for applications in dust explosion hazardous area and offers protection against access to hazardous parts, ingress of solid foreign objects and ingress of water of type IP66 or IP54 respectively according to IEC 60529:1989 + A1: 1999.

Type key:



- (16) Test report: 11TH0195
- (17) Special conditions for safe use:

For pressurized enclosures that exceed the dimensions of 404mm length, 495mm width and 181.5 mm in height, the maximum overpressure test in accordance with EN 60079-2, 16.1 has to be repeated with the respective enclosure.

The ambient temperature range differs from the standard temperature range and is dependent on the structure and material of the gaskets, as well as the construction. The different types are shown in the following tables:

Cabinet:

	Type	Temperature range	IP-protection class
EPDM foamed	E1S	- 40°C ≤ T _{amb} ≤ 70°C	IP54
EPDM glued	E2S	- 40°C ≤ T _{amb} ≤ 70°C	IP54
Silicone punched	S1S	- 60°C ≤ T _{amb} ≤ 120°C	IP54
Silicone glued	S2S	- 60°C ≤ T _{amb} ≤ 120°C	IP54

Enclosure:

	Type	Temperature range	IP-protection class
EPDM foamed	E1G	- 40°C ≤ T _{amb} ≤ 70°C	IP66
EPDM glued	E2G	- 40°C ≤ T _{amb} ≤ 70°C	IP66
Silicone punched	S1G	- 60°C ≤ T _{amb} ≤ 120°C	IP66
Silicone glued	S2G	- 60°C ≤ T _{amb} ≤ 120°C	IP66



For full certification as equipment the tests according to EN 60079-7:2007, 5.8, 6.8 and Appendix E have to be performed or the maximum heating has to be calculated, if necessary. Based on the results the appropriate temperature class has to be assigned.

Warnings in accordance with EN 60079-0:2009 and EN 60079-2:2007 as well as EN 60079-7:2007 and EN 60079-31:2009 corresponding to the application are required.

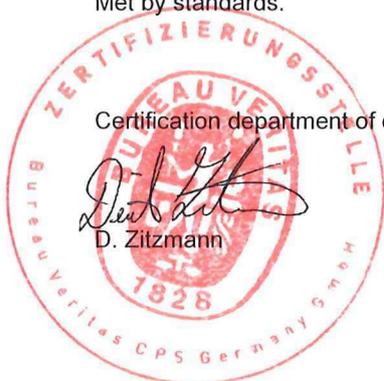
It must be ensured that the cabinets' tightness of IP66 or IP54 remains effective. Accordingly, appropriate and approved components (e.g. cable entries and cable glands) must be used.

It must be guaranteed that the explosion protection is not impaired or eliminated by the number and size of the holes.

When using the viewing glass highly efficient charge generating mechanisms in the vicinity of the enclosure have to be excluded.

(18) Essential health and safety requirements:

Met by standards.



Certification department of explosion protection

Nuremberg, 2015-06-11