(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 1 396 U **Revision 1**

(4) Component: Explosion protected switch module Type QX 0201-...

(5) Manufacturer: Quintex GmbH

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

(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 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 11TH0494_QX0201.

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

EN 60079-0:2009 **EN 60079-1:2007**

EN 60079-7:2007 **EN 61241-0:2004**

EN 61241-1:2004

(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 de IIC Gb

II 2 D Ex tD A21 IP66

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(13) # Annexe

(14) ## EC Type Examination Certificate EPS 11 ATEX 1 396 U Rev.1

(15) Description of component:

The explosion protected switch module is a control and indication unit for installation in doors or covers of cabinets or enclosures in kind of ignition protection increased safety "e".

The final determination of a temperature class of the enclosure takes place after complete assembly according to the specifications of EN 60079-7.

Electrical data:

Operating Voltage U	250V	250V	110V	24V
Usage category	AC12	AC15	DC13	DC13
Operating current I	16A	10A	0,5A	1A

(16) Test report: 11TH0494_QX0202

(17) Special conditions for safe use:

The ambient temperature range deviates from normal ambient temperature range and amounts -55°C ≤ Tamb ≤ +60°C.

Repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 of IEC 60079-1.

Dielectric strength test is conducted according to Clause 7.1 of IEC 60079-7.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(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 1 400 U **Revision 1**

(4) Component: Explosion protected signal lamp with button module type QX 0212-...

(5) Manufacturer: Quintex GmbH

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

(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 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 11TH0494_QX0212

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

EN 60079-0:2009 **EN 60079-1:2007**

EN 60079-7:2007 **EN 61241-0:2004**

EN 61241-1:2004

(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 de IIC Gb

II 2 D Ex tD A21 IP66

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(13) **Annexe**

(14) **EC Type Examination Certificate EPS 11 ATEX 1 400 U Rev.1**

(15) Description of component:

The explosion protected signal lamp is a control and indication unit for installation in doors or covers of cabinets or enclosures in kind of ignition protection increased safety "e".

The final determination of a temperature class of the enclosure takes place after complete assembly according to the specifications of EN 60079-7.

Electrical data:

Maximum voltage, push button:	250VAC/10A 24VDC/1A
Signal lamp:	12V - 250V AC/DC, P < 1W

(16) Test report: 11TH0494_QX0212

(17) Special conditions for safe use:

The ambient temperature range deviates from normal ambient temperature range and amounts -55°C ≤ Tamb ≤ +60°C.

Repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 of IEC 60079-1.

Dielectric strength test is conducted according to Clause 7.1 of IEC 60079-7.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(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 1 399 U **Revision 1**

(4) Component: Explosion protected ammeter Type QX 0205-...

(5) Manufacturer: Quintex GmbH

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

(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 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 11TH0494_QX0202

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

EN 60079-0:2009	**EN 60079-7:2007**
EN 61241-0:2004	**EN 61241-1:2004**

(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 II Gb

II 2 D Ex tD A21 IP66

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(13) **Annexe**

(14) **EC Type Examination Certificate EPS 11 ATEX 1 399 U Rev.1**

(15) Description of component:

The explosion protected ammeter is a a control and indication unit for installation in doors or covers of cabinets or enclosures in kind of ignition protection increased safety "e".

The final determination of a temperature class of the enclosure takes place after complete assembly according to the specifications of EN 60079-7.

Electrical data:

Permitted current ranges:	0-15A
Maximum permitted voltage:	690V

(16) Test report: 11TH0494_QX0202

(17) Special conditions for safe use:

The ambient temperature range deviates from normal ambient temperature range and amounts -55°C ≤ Tamb ≤ +60°C.

Repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 of IEC 60079-1.

Dielectric strength test is conducted according to Clause 7.1 of IEC 60079-7:2006.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(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 1 398 U **Revision 1**

(4) Component: Explosion protected potentiometer module QX 0203-...

(5) Manufacturer: Quintex GmbH

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

(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 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 11TH0494_QX0203

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

EN 60079-0:2009 **EN 60079-1:2007**

EN 60079-7:2007 **EN 61241-0:2004**

EN 61241-1:2004

(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 de IIC Gb

II 2 D Ex tD A21 IP66

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(13) **Annexe**

(14) **EC Type Examination Certificate EPS 11 ATEX 1 398 U Rev.1**

(15) Description of component:

The explosion protected signal lamp is a for installation in doors or covers of cabinets or enclosures in kind of ignition protection increased safety "e".

The final determination of a temperature class of the enclosure takes place after complete assembly according to the specifications of EN 60079-7.

Electrical data:

Operating voltage: U = 200V

Power input: P ≤ 0.1W

(16) Test report: 11TH0494_QX0203

(17) Special conditions for safe use:

The ambient temperature range deviates from normal ambient temperature range and amounts -55°C ≤ Tamb ≤ +60°C.

Repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 of IEC 60079-1.

Dielectric strength test is conducted according to Clause 7.1 of IEC 60079-7.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(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 1 397 U **Revision 1**

(4) Component: Explosion protected signal lamp Type QX 0202-...

(5) Manufacturer: Quintex GmbH

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

(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 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 11TH0494_QX0202

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

EN 60079-0:2009 **EN 60079-1:2007**

EN 60079-7:2007 **EN 61241-0:2004**

EN 61241-1:2004

(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 de IIC Gb

II 2 D Ex tD A21 IP66

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

(13) **Annexe**

(14) **EC Type Examination Certificate EPS 11 ATEX 1 397 U Rev.1**

(15) Description of component:

The explosion protected signal lamp is a control and indication unit for installation in doors or covers of cabinets or enclosures in kind of ignition protection increased safety "e".

The final determination of a temperature class of the enclosure takes place after complete assembly according to the specifications of EN 60079-7.

Electrical data:

Supply voltage:	U = 12V...250VDC
	U = 12V...400VAC
Power input:	P ≤ 1W

(16) Test report: 11TH0494_QX0202

(17) Special conditions for safe use:

The ambient temperature range deviates from normal ambient temperature range and amounts -55°C ≤ Tamb ≤ +60°C.

Repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 of IEC 60079-1.

Dielectric strength test is conducted according to Clause 7.1 of IEC 60079-7.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann