(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 11 ATEX 1 396 U **Revision 2**

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

(5) Manufacturer: Quintex GmbH

(6) Address: i_Park Tauberfranken 13
97922 Lauda-Koenigshofen
Germany

(7) This component 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 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 documentation under the reference number 11TH0494_QX0201.

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

EN IEC 60079-0:2018 **EN 60079-1:2014**

EN IEC 60079-7:2015+A1:2018 **EN 60079-31:2014**

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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

II 2G Ex db eb IIC Gb

II 2D Ex tb IIIC Db



Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

Certificates without signature and seal 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.

Bureau Veritas Consumer Products Services Germany GmbH
www.bureauveritas.de/cps

Businesspark A96
86842 Tuerkheim

certification.deu@bureauveritas.com

(13) # Annex

(14) **EU - Type Examination Certificate EPS 11 ATEX 1 396 U** **Revision 2**

(15) Description of component:

The QX-0201 series explosion-proof switch module is a component that has a combination of protection level flameproof "db" and increased safety "eb". The contact compartment is flameproof "db" and the terminals are increased safety "eb". The cover and housing installation result in dust explosion protection "tb".

The installation method of QX-0201 is divided into two types: PCB front side, PCB back side. The housing of QX-0201 explosion-proof switching module is made of plastic. For the front panel type, two push pins go through the cover, and for the rear panel type, these two push pins go through the enclosure.

The final determination of a temperature class is made for the housing after complete assembly according to the specifications of EN IEC 60079-7.

Electrical data:

400 V AC 16 A

110 V DC 1 A

(16) Reference number: 11TH0494_QX0201

(17) Notes for manufacture, installation and operation:

Service temperature Ts -40 °C ≤ Ts ≤ +90 °C for QX-0201 type L
Service temperature Ts -55 °C ≤ Ts ≤ +90 °C for QX-0201 type H

If the product contains certified parts or safety-critical components, the manufacturer must ensure that changes to these parts or components do not affect the conformity of the certified product that is the subject of this certificate.

The dimensions of the flameproof joints differ from those of EN 60079-1 Table 3 and therefore shall not be repaired.

The explosion protected switch module type QX-0201-... must be installed in an appropriately certified enclosure with at least IP64. The clearances and creepage distances according to sections 4.3, 4.4 and Table 2 (EN IEC 60079-7) shall be fulfilled.

The dielectric strength test must be carried out in accordance with subchapter 7.1 of EN IEC 60079-7.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

(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 11 ATEX 1 397 U **Revision 2**

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

(5) Manufacturer: Quintex GmbH

(6) Address: i_Park Tauberfranken 13
97922 Lauda-Koenigshofen
Germany

(7) This component 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 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 documentation under the reference number 11TH0494_QX0202.

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

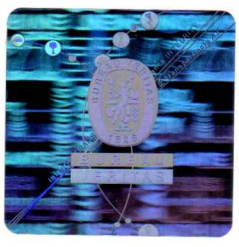
EN IEC 60079-0:2018 **EN 60079-1:2014**

EN IEC 60079-7:2015+A1:2018 **EN 60079-31:2014**

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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



II 2G Ex db eb IIC Gb

II 2D Ex tb IIIC Db

Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

Certificates without signature and seal 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.

(13) # Annex

(14) **EU - Type Examination Certificate EPS 11 ATEX 1 397 U** **Revision 2**

(15) Description of component:

The QX-0202 series explosion-proof signal lamp module is a component with combined protection level flameproof "db" and increased safety "eb". The lamp compartment is flameproof "db" and the terminals are increased safety "eb". The switch cover and enclosure installation result in dust explosion protection "tb".

The installation method of QX-0202 is divided into three types: Front side of the board, back side of the board and panel mounting. Front of board type is used for rail installation, back of board type is used for behind panel installation. For the front panel type, the two connecting screws for the external circuit are in the same direction as the lamp; for the rear panel type, these two screws are in the opposite direction of the lamp.

The housing of the explosion-proof signal lamp module QX-0202 is made of plastic.

The final determination of a temperature class is made for the housing after complete assembly according to the specifications of EN IEC 60079-7.

Electrical data:

Signal lamp voltage: 20 - 250 V AC / DC
280 - 400 V AC
10 - 28 V AC / DC
50 - 277 V AC / DC

(16) Reference number: 11TH0494_QX0202

(17) Notes for manufacture, installation and operation:

Ambient temperature:

-40 °C to +60 °C (for types QX-0202- _ _ 1L, QX-0202- _ _ 3L, QX-0202- _ _ 4L)
-55 °C to +60 °C (for types QX-0202- _ _ 1H, QX-0202- _ _ 3H, QX-0202- _ _ 4H)
-40 °C to +50 °C (for types QX-0202- _ _ 2L)
-55 °C to +50 °C (for types QX-0202- _ _ 2H)

Service temperature:

-40 °C to +90 °C (for types QX-0202- _ _ L)
-55 °C to +90 °C (for types QX-0202- _ _ H)

If the product contains certified parts or safety-critical components, the manufacturer must ensure that changes to these parts or components do not affect the conformity of the certified product that is the subject of this certificate.

The dimensions of the flameproof connections deviate from those of EN 60079-1 Table 3 and therefore shall not be repaired.

The QX-0202 series explosion-proof signal lamp module must be installed in an appropriately certified enclosure with at least IP64. When installing the devices in enclosures of the type of protection Increased Safety according to standard EN IEC 60079-7, the clearances and creepage distances according to section 4.3 and 4.4 and Table 2 must be observed.

The dielectric strength test must be carried out in accordance with subchapter 7.1 of EN IEC 60079-7.

EU - Type Examination Certificate EPS 11 ATEX 1 397 U **Revision 2**

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

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 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

ZERTIFIZIERUNGSSTELLE BUREAU VERITAS 1828 Hamburg

Certification department of explosion protection

Türkheim, November 29, 2013

D. Zitzmann

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 administrated under the following number: 12-066

(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

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 administrated under the following number: 12-066

(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 11 ATEX 1 399 U **Revision 2**

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

(5) Manufacturer: Quintex GmbH

(6) Address: i_Park Tauberfranken 13
97922 Lauda-Koenigshofen
Germany

(7) This component 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 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 documentation under the reference number 11TH0494_QX0205.

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

EN IEC 60079-0:2018 **EN IEC 60079-7:2015+A1:2018**

EN 60079-18:2015 **EN 60079-31:2014**

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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

II 2G Ex eb IIC Gb

II 2G Ex eb mb IIC Gb

II 2D Ex tb IIIC Db



Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

Certificates without signature and seal 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.

(13) # Annex

(14) **EU - Type Examination Certificate EPS 11 ATEX 1 399 U** **Revision 2**

(15) Description of component:

The explosion-proof current measuring modules of the QX0205 series are components with the type of protection increased safety "eb" as well as encapsulation resistant to potting "mb". The cover and the housing installation result in the dust explosion protection "tb".

The components are used for measuring and displaying current in potentially explosive atmospheres and are intended for use in enclosures that comply with a suitable protection concept in accordance with EN IEC 60079-0 and offer at least IP64 protection.

Electrical data:

Ammeter ("e" type): 0~1 A, 0~5 A, 0~10 A, AC 50/60 Hz

Voltmeter ("m" type): 0~10 V, 0~25 V, 0~40 V, 0~50 V, 0~100 V, 0~120 V, 0~150 V, 0~250 V, 0~300 V, 0~500 V AC 50/60 Hz

Ammeter ("m" type): 0~20/40 mA, 4~20/40 mA AC 50/60 Hz

Connection type: terminal 2.5 mm²

Service temperature: -40 °C to +95 °C

(16) Reference number: 11TH0494_QX0205

(17) Notes for manufacture, installation and operation:

If the product contains certified parts or safety-critical components, the manufacturer must ensure that changes to these parts or components do not affect the conformity of the certified product that is the subject of this certificate.

Each device must be installed in an appropriately sized and certified enclosure that provides a minimum degree of protection of IP64. When the equipment is installed in enclosures of the Increased Safety degree of protection according to the EN IEC 60079-7 standard, the clearances and creepage distances according to section 4.3 and 4.4 and Table 2 must be respected.

The tightening torque of the wiring screw is 1.2 Nm and the tightening torque of the EXM ammeter frame is 1.1 Nm.

Each unit must be subjected to a routine dielectric strength test in accordance with EN IEC 60079-7 Section 7.1. The voltage must be at least 2000 V AC and the time must be at least 60 seconds. The test must be performed between the input terminals and the enclosure. No flashover or breakdown shall occur during the test.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike

Certificates without signature and seal 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.

(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 11 ATEX 1 400 U **Revision 2**

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

(5) Manufacturer: Quintex GmbH

(6) Address: i_Park Tauberfranken 13
97922 Lauda-Koenigshofen
Germany

(7) This component 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 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 documentation under the reference number 11TH0494_QX0212.

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

EN IEC 60079-0:2018 **EN 60079-1:2014**

EN IEC 60079-7:2015+A1:2018 **EN 60079-31:2014**

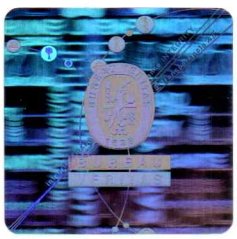
(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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

Ex II 2G Ex db eb IIC Gb

Ex II 2D Ex tb IIIC Db



Certification department of explosion protection

Ulrich Feike

Tuerkheim, 2022-11-28

Certificates without signature and seal 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.

(13) # Annex

(14) **EU - Type Examination Certificate EPS 11 ATEX 1 400 U** **Revision 2**

(15) Description of component:

The QX0212 Series Explosion-proof Signal Lamp with Button Module is a component with combined levels of protection flameproof "db" and increased safety "eb". The lamp compartment is flameproof "db", and the terminals are increased safety "eb".

The module is provided with the function of a control switch.

The installation method of QX0212 is divided into three types: board front, board back and panel mounting. Type board front is used to install with rail, type board back is used to install behind panel.

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

Electrical data:

QX-0212- _ _ _ 1 _:
Signal lamp: 20 - 250 V AC / DC
Button: 250 V AC 10 A
24 V DC 1 A
QX-0212- _ _ _ 3 _:
Signal lamp: 10 - 28 V AC / DC
Button: 250 V AC 10 A
24 V DC 1 A
QX-0212- _ _ _ 4 _:
Signal lamp: 55 - 277 V AC / DC
Button: 250 V AC 10 A
24 V DC 1 A

(16) Reference number: 11TH0494_QX0212

(17) Notes for manufacture, installation and operation:

Ambient temperature range:
-40 °C to +60 °C (for types QX-0212- _ _ _ 1L, QX-0212- _ _ _ 3L, QX-0212- _ _ _ 4L).
-55 °C to +60 °C (for types QX-0212- _ _ _ 1H, QX-0212- _ _ _ 3H, QX-0212- _ _ _ 4H)
Service temperature range:
-40 °C to +90 °C (for types QX-0212- _ _ _ _ L)
-55 °C to +90 °C (for types QX-0212- _ _ _ _ H)

If the product contains certified parts or safety-critical components, the manufacturer must ensure that changes to these parts or components do not affect the conformity of the certified product that is the subject of this certificate.

The dimensions of the flameproof joints differ from those of EN 60079-1 Table 3 and therefore shall not be repaired.

The explosion-proof signal lamp with operating function of the QX-0212 series must be installed in an appropriately certified enclosure with at least IP64. The clearances and creepage distances according to sections 4.3, 4.4 and Table 2 (EN IEC 60079-7) shall be fulfilled.

The dielectric strength test must be carried out in accordance with subchapter 7.1 of EN IEC 60079-7.

EU - Type Examination Certificate EPS 11 ATEX 1 400 U **Revision 2**

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2022-11-28

Ulrich Feike