



(1)

## EU-TYPE EXAMINATION CERTIFICATE (Translation)

(2) Equipment or Protective Systems Intended for Use in  
 Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

**PTB 11 ATEX 2020 X**

**Issue: 1**

(4) Product: e/p-positioner, type 3725-1100..

(5) Manufacturer: **SAMSON AG**

(6) Address: Weismüllerstraße 3, 60314 Frankfurt, Germany

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential Test Report PTB Ex 19-29022.

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

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

**EN 60079-11:2012**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 2 G Ex ia IIC T4 Gb**

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, February 25, 2019

On behalf of PTB:

Dr.-Ing. F. Lienesch  
 Direktor und Professor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

## SCHEDULE

(13)

(14) **EU-Type Examination Certificate Number PTB 11 ATEX 2020 X, Issue: 1**

(15) Description of Product

The e/p-positioner, type 3725-1100.. is a single-acting positioner intended for the installation onto pneumatic lift drives and slewing-motion actuators. It is used for the assignment of a valve position to an actuating signal. Non-flammable media serve as pneumatic auxiliary power.

The e/p-positioner, type 3725-1100.. is a passive two-terminal network which may be connected to all certified intrinsically safe circuits provided that the permissible maximum values for  $U_i$ ,  $I_i$  and  $P_i$  are not exceeded.

The equipment is installed inside the hazardous area.

The permissible ambient temperature range is  $-25\text{ }^{\circ}\text{C} \dots 80\text{ }^{\circ}\text{C}$ .

### Electrical data

Signal circuit ..... type of protection Intrinsic Safety Ex ia IIC  
(terminals 11/12) only for connection to a certified intrinsically safe circuit

Maximum values:

$U_i = 28\text{ V}$

$I_i = 115\text{ mA}$

$P_i = 1\text{ W}$

$C_i = 8.3\text{ nF}$

$L_i$  negligibly low

(16) Test Report PTB Ex 19-29022

(17) Specific conditions of use

The manufacturer documentation and the operating instructions manual shall include all required information to restrict the risk of electrostatic charge to a minimum. A warning label shall be affixed to the equipment.

**SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 11 ATEX 2020 X, Issue: 1**

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

  
Dr.-Ing. F. Lienesch  
Direktor und Professor



Braunschweig, February 25, 2019