EU-TYPE EXAMINATION CERTIFICATE

1

2 Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

3 EU-Type Examination Certificate Number: **CSANe 26ATEX1062X** Issue: **0**

4 Equipment: **Control Head type 8682**

5 Manufacturer: **Bürkert Werke GmbH & Co. KG**

6 Address: Keltenstraße 10
74653 Ingelfingen
Germany

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

8 CSA Group Netherlands B.V., Notified Body No. 2813 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 reports listed in item 16.2.

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

EN IEC 60079-0:2018 EN 60079-11:2012

Where additional criteria beyond those given here have been used, they are listed in item 18 in the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed in item 17 of this certificate.

11 This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with 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 (additional marking is provided in the Schedule as a part of item 15, if applicable):

II 1G
Ex ia IIC T4...T6
For temperatures see schedule

Signed: M Halliwell
Title: Senior Director of Operations
Date 22 June 2026

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13 # SCHEDULE

14 **EU-Type Examination Certificate Number: CSANe 26ATEX1062X** Issue: **0**

Electrical data

Electrical parameter sets for valve circuit								
Terminals DI 1+ and DI 1-	Ui	15 V	18 V	20 V	22 V	25 V	28 V	30 V
	Ii	0.9 A	0.44 A	0.309 A	0.224 A	0.158 A	0.12 A	0.101 A
	Pi	0.8 W	0.8 W	0.8 W	0.8 W	0.8 W	0.8 W	0.8 W
	Ci	Negligible						
	Li	Negligible						

Electrical parameters for each Namur circuit		
Namur 1: Terminals DO 1+ and DO 1- Namur 2: Terminals DO 2+ and DO 2-	Ui	16 V
	Ii	25 mA
	Pi	100 mW
	Ci	Negligible
	Li	Negligible

Electrical parameters for USB circuit **Only for service if no hazardous atmosphere is present (certified intrinsically safe supply circuit mandatory, suitable to be connected to circuits requiring a supply for level of protection "ia")**		
USB-C connector	Ui	5.5 V
	Ii	170 mA
	Pi	650 mW

Thermal data

Ambient temperature range depending on the temperature class	
Temperature class	Ambient temperature range
T4	-10 °C to +60 °C
T5	-10 °C to +40 °C
T6	-10 °C to +25 °C

15 **Description:**

The Control Head type 8682 is a control unit for pneumatically actuated linear and rotary actuators of process valves. The equipment contains up to 1 valve and 2 Namur interfaces for position information. External connections are made by screw terminals inside the enclosure.
For use in the absence of a hazardous area the equipment provides a USB port which is required to be connected to a certified intrinsically safe supply circuit, suitable to be connected to circuits requiring a supply for level of protection "ia".
The equipment is protected in type of protection intrinsic safety in level of protection "ia" with the ratings as per section 1.6 of report R80211091A.

16 **Drawings and documents:**

16.1 **Technical documents:**

Refer to Certificate Annex.

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16.2 **Associated reports and certificate history:**

Issue	Date	Report number	Comment
0	22 June 2026	R80211091A	The release of the prime certificate.

17 **Specific conditions of use** (denoted by "X" after the certificate number):

17.1 Due to the risk of electrostatic discharge, the non-metallic parts of the equipment have to be protected from electrostatic charging during installation and operation. This includes but is not limited to prevent friction to the enclosure surface as well as exposition to high voltage fields.

17.2 The equipment shall not be opened if a hazardous atmosphere is present.

17.3 The USB-C service interface must be operated only if no hazardous atmosphere is present and at a maximum ambient temperature not exceeding +40 °C. Even though the USB-C service interface must be operated only if no hazardous atmosphere is present it is limited for connection to an intrinsically safe circuit with the parameters shown in the instructions.

18 **Essential health and safety requirements of Annex II** (EHSRs):

The relevant EHSRs that are not addressed by the standards listed in item 9 of this certificate have been identified and conformity of the product demonstrated in the reports listed in item 16.2.

19 **Remarks and additional information:**

The use of this certificate is subject to the regulations applicable to holders of CSA Group Netherlands B.V. certificates.

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

19.1 **Conditions of manufacture:**

19.1.1 The equipment incorporates the previously certified component flipper valve, type 6144 (certified under IECEx CoC IECEx PTB 07.0063X and EU-Type Examination Certificate PTB 07 ATEX 2048 X) It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform CSA of any modifications to the device that may impinge upon the explosion safety design of the equipment.

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Certificate Annexe

Document History

Issue – 0

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
N4 60030813	1 of 1	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-i
N2 60030813	1 of 1	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-i (Bestückungsplan BTM)
N3 60030813	1 of 1	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-I (Lackierung TOP)
N1 60030813	1 of 1	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-I (Bestückungsplan TOP)
LA 60030813	1 of 1	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-I (Bohrplan)
60030813	6 of 6 separate pages	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-i (Leiterbahnzeichnung)
DO 60030813	7 of 7	D	03 Jun 26	PCB STM32UO-CPU 8682-3 Ex-i
9000666779	3 of 3	---	03 Jun 26	APPROVAL BILL OF MATERIAL (BOM)
9000666781	4 of 4	---	03 Jun 26	APPROVAL BILL OF MATERIAL (BOM)
9000666779	1 of 1	01	03 Jun 26	Control head (SK04)
9000666781	1 of 1	01	03 Jun 26	Control head (SK04)
1000713571	26 of 26	0.4	03 Jun 26	Technical description (incl. dimensions)
1000713572	26 of 26	0.4	03 Jun 26	Measures acc. to standards (incl. type label)
1000694888	3 of 3	B	03 Jun 26	BOM (PCB)
Technical documentation _DEde_60049546_1369883403_1370024331	28 of 28	---	03 Jun 26	Supplement to Operating Instructions
Technical documentation 2601/00_DEde__1369883403_1370022923	42 of 42	00	03 Jun 26	Bedienungsanleitung (Operating instructions German)
Technical documentation 2606/01_GBen__1369883403_9007200624763915	40 of 40	01	03 Jun 26	Operating instructions

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