IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSAE 26.0018X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2026-06-22

Applicant: **Bürkert Werke GmbH & Co KG**
Christian Bürkert-Straße 13-17
74653 Ingelfingen
Germany

Equipment: **Control Head type 8682**

Optional accessory:

Type of Protection: **Intrinsic Safety 'i'**

Marking: Ex ia IIC T4…T6
See annexe for temperatures

ABD_10007425 31 EN Version: - Status: RL (released | freigegeben) printed: 29.06.2026

Approved for issue on behalf of the IECEx Certification Body: **Michelle Halliwell**

Position: **Senior Director of Operations**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom

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Manufacturer: **Bürkert Werke GmbH & Co. KG**
Keltenstraße 10
74653 Ingelfingen
Germany

Manufacturing locations: **Bürkert Werke GmbH & Co. KG**
Keltenstraße 10
74653 Ingelfingen
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

GB/CSAE/ExTR26.0038/00

Quality Assessment Report:

HR/FIDI/QAR25.0003/01

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

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Equipment (continued):

Conditions of Manufacture

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.

Annex:

IECEx CSAE 26.0018X Iss 0 Annexe_1.pdf

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EQUIPMENT (continued)

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

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