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 BVS 18.0068X**

Certificate history:
Issue 0 (2018-10-25)

Status: **Current**

Issue No: 1

Date of Issue: 2021-10-12

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

Equipment: **Valve block type 8647***

Optional accessory:

Type of Protection: **Increased Safety "e"**

Marking: Ex ec IIC T4 Gc

Approved for issue on behalf of the IECEx Certification Body: **Dr Franz Eickhoff**

Position: **Lead Auditor and officially recognised expert**

Signature: (for printed version)

Date: 2021-10-12

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:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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Manufacturer: **Bürkert Werke GmbH & Co. KG**
Christian-Bürkert-Str.13-17
74653 Ingelfingen
Germany

Additional manufacturing locations:

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 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

DE/BVS/ExTR18.0075/01

Quality Assessment Report:

DE/PTB/QAR07.0002/10

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

Subject and Type

Valve block type 8647*
The * represents various variants which are precisely specified in the manufacturer`s documentation and have no influence on explosion protection.

Description

The valve block type 8647* is an electrical and pneumatic automation system and is intended to control pneumatic installations via a Fieldbus system.

It consists of electrical and pneumatic components and is constructed modularly in different configurations.

The valve block type 8647* is intended to be used in combination with a modular I/O system.
The valve block type 8647* can be optionally used with an adapter to be installed in the bottom of an electrical cabinet.

The valve block is exclusively intended to be used in a housing, which is certified separately.

Parameters

Supply voltage	DC	24	V
Current max.		3	A

Permitted ambient temperature range at the place of installation

Valve types 6524 and 65	0 °C …+55 °C
Valve type 0460	0 °C …+50 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Valve Block type 8647* has to be built in an enclosure fulfilling the relevant requirements of IEC 60079-0 and IEC 60079-7 and has a degree of protection of at least IP54.
2. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60991-1.
3. Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.
4. The connection terminals shall only be plugged and unplugged in a de-energized state.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Modifications to the basic and connection modules (not Ex-relevant)
- Additional information on safety-related shutdown of valves (SIA) (not Ex-relevant)
- Additional information on EVS (External Valve Voltage Shut-off) (not Ex-relevant)
- Additional valve type 0460 (company Koganei) and associated change of the permissible ambient temperature range
- Additional warning marking