



# 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](http://www.iecex.com)

Certificate No.: **IECEX EPS 16.0053X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 Issue 1 (2021-12-20)  
Date of Issue: 2025-07-21 Issue 0 (2016-10-11)  
Applicant: **Bürkert Werke GmbH & Co KG**  
Christian Bürkert-Straße 13-17  
74653 Ingelfingen  
**Germany**  
Equipment: **Solenoid 06xx**  
Optional accessory:  
Type of Protection: **encapsulation "m"**  
Marking: Ex mb IIC T4...T5 Gb  
Ex mb III C T130°C Db

Approved for issue on behalf of the IECEX  
Certification Body:

Position:

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.
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Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **Bürkert Werke GmbH**  
Christian-Bürkert-Straße 13-17  
74653 Ingelfingen  
**Germany**

Manufacturing locations: **Bürkert Werke GmbH**  
Landauer Straße 24  
74582 Gerabronn  
**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 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

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 Reports:

[DE/EPS/ExTR16.0053/01](#)

[DE/EPS/ExTR16.0053/02](#)

Quality Assessment Report:

[HR/FIDI/QAR25.0003/00](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The solenoid valve type 06xx is used for actuating valves that control gaseous or liquid media. The coil is potted with the core guide tube of the valve. There is always a closed system and the devices may also be used in gas stations for the control of gasoline as category 2 devices. The valve bodies can be optionally made of metal or polyamide.

The solenoid valve type may also be used in group mounting application. The maximum ambient temperature is reduced then, see electrical data.

Electrical data:

Rated voltage: 24V... 240 V  $\pm 10\%$  AC or DC - 0 Hz to 60 Hz

Rated Current: 0.42 A .... 0.025 A

Type designation	Power	Ambient temperature	Temperature class	group mounting
064...	7 W	-40 °C ... +60 °C	T4	no
064...	7 W	-40 °C ... +45 °C	T4	yes
065...	5 W	-40 °C ... +50 °C	T5	no
065...	5 W	-40 °C ... +40 °C	T5	yes

## SPECIFIC CONDITIONS OF USE: YES as shown below:

The device shall never be used in areas affected by charge-generating processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Update of standards

Issue 2: Change of related QAR