



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx BVS 14.0063X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2014-07-21** Page 1 of 3

Applicant: **Festo AG & Co. KG**  
Ruiter Straße 82  
73734 Esslingen  
Germany

Electrical Apparatus: **Pilot valve type VACC-P3\*-K4-1-EX4-A**  
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i"**

Marking: **Ex ia IIC T5 / T6 Gb**  
**Ex ia IIIC T125°C / T85°C Db**

Approved for issue on behalf of the IECEx  
Certification Body: **H.-Ch. Simanski**

Position: **Head of Certification Body**

Signature:  
(for printed version)

Date:

**21. 7. 2014**

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**DEKRA EXAM GmbH**  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

**DEKRA**  
DEKRA EXAM GmbH



# IECEx Certificate of Conformity

Certificate No.: IECEx BVS 14.0063X

Date of Issue: 2014-07-21

Issue No.: 0

Page 2 of 3

Manufacturer: **Festo AG & Co. KG**  
Ruiter Straße 82  
73734 Esslingen  
Germany

Additional Manufacturing location  
(s):

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 electrical apparatus 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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

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

*This Certificate **does not** indicate compliance with electrical 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/ExTR14.0063/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0012/02](#)



# IECEx Certificate of Conformity

Certificate No.: IECEx BVS 14.0063X

Date of Issue: 2014-07-21

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Subject and Type:

See Annex

#### Description:

The pilot valve is composed of a plastic housing in which the electronic components are securely mounted. All components of the electronic circuit as well as the magnet coil are protected by a casting compound. The connection of the pilot valve is possible via terminals.

#### Parameters

Maximum input voltage	$U_i$	40 V
Maximum input current	$I_i$	200 mA
Maximum input power	$P_i$	650 mW

Maximum internal capacitance	negligible	
Maximum internal capacitance inductance	negligible	

Ambient temperature range	Temperature class	Max. surface temperature for dust
-40 °C ... +70 °C	T5	125 °C
-40 °C ... +30 °C	T6	85 °C

### CONDITIONS OF CERTIFICATION: YES as shown below:

The pilot valve type VACC-P3-\*-K4-1-EX4-A must be effectively protected against electrostatic charge. As a medium, only non-flammable gases may be used.



# IECEX Certificate of Conformity



**Certificate No.:** IECEx BVS 14.0063 X  
**Annex**  
**Page 1 of 1**

**Subject and Type:**

Pilot valve type VACC-P3\*-K4-1-EX4-A

Power consumption  
0.4 = max. 40 mW  
0.09 = max. 9 mW