



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 15.0020X**

Page 1 of 5

Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2020-11-03)

Issue 2 (2019-05-06)

Issue 1 (2017-12-05)

Issue 0 (2015-04-07)

Date of Issue: 2021-03-19

Applicant: **Festo SE & Co. KG**
Ruiter Strasse 82
Esslingen 73734
Germany

Equipment: **Magnetic coil type VACC-S13-11-K4-1-...A**

Optional accessory:

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

Marking: **Ex ia IIC T5/T6 Gb**
Ex ia IIIC T95°C/T80°C IP65 Db

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:

[Signature]
2021-03-19

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.



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0020X**

Page 2 of 5

Date of issue: 2021-03-19

Issue No: 4

Manufacturer: **Festo SE & Co. KG**
Ruiter Strasse 82
Esslingen 73734
Germany

Additional manufacturing locations: **Festo SE & Co. KG**
Plieninger Straße 50
Ostfildern-Schornhausen 73760
Germany

FESTO Production EOOD
Cristofor Columbus 7
1592 Sofia
Bulgaria

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:

[DE/BVS/ExTR15.0019/04](#)

Quality Assessment Report:

[NL/DEK/QAR12.0012/09](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0020X**

Page 3 of 5

Date of issue: 2021-03-19

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and Type:

Magnetic coil type VACC-S13-11-K4-1-...A

Type code

VACC Magnetic coil series C			
S13 armature guide tube 13 mm			
	11 power consumption max. 1.1 Watt		
		K4 terminal box and cable connection	
			... Ex-approval according to target region
			A type of protection intrinsically safe

Description:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

The magnetic coil type VACC-S13-11-K4-1-...A must be effectively protected against electrostatic charge.



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 15.0020X**

Page 4 of 5

Date of issue: 2021-03-19

Issue No: 4

Equipment (continued):**Parameters:**

Maximum input voltage	U_i	32 V
Maximum input current	I_i	200 mA
Maximum input power	P_i	1.2 W
Maximum internal capacitance	C_i	negligible
Maximum internal inductance	L_i	negligible

Ambient temperature

Ambient temperature range	Temperature class	Max. surface temperature for dust
$-30\text{ }^{\circ}\text{C} \leq T_a \leq +65\text{ }^{\circ}\text{C}$	T5	95 °C
$-30\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$	T6	80 °C



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 15.0020X**

Page 5 of 5

Date of issue: 2021-03-19

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Additional manufacturing locations FESTO SE & Co. KG, 73760 Ostfildern/Scharnhausen, Germany and FESTO Production EOOD, 1592 Sofia, Bulgaria are added.