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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

Certificate No.:	IECEx BVS 15.0020X issue No.:1	Certificate history: Issue No. 1 (2017-12-5) Issue No. 0 (2015-4-7)
Status:	**Current**	
Date of Issue:	**2017-12-05**	Page 1 of 4
Applicant:	**FESTO AG & Co. KG** Ruiter Straße 82 73734 Esslingen **Germany**	
Equipment: *Optional accessory:*	**Magnetic coil type VACC-S13-11-K4-1-EX4-A**	
Type of Protection:	**Equipment protection by intrinsic safety "i"**	
Marking:	Ex ia IIC T5/T6 Gb Ex ia IIIC T95°C/T80°C IP64 Db	
Approved for issue on behalf of the IECEx Certification Body:	Jörg Koch	
Position:	Head of Certification Body	
Signature: *(for printed version)*		
Date:	5.12.17	

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.

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

IECEx Certificate of Conformity

Certificate No.: IECEx BVS 15.0020X

Date of Issue: **2017-12-05** Issue No.: **1**

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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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/ExTR15.0019/01

Quality Assessment Report:

NL/DEK/QAR12.0012/05

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Certificate No.: IECEx BVS 15.0020X

Date of Issue: **2017-12-05** Issue No.: **1**

Schedule

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

Subject and Type:

Magnetic coil type VACC-S13-11-K4-1-EX4-A

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.

Parameters:

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

The magnetic coil type VACC-S13-11-K4-1-EX4-A must be effectively protected against electrostatic charge. The casting compound has to be protected against impact. The cover withstands a maximum impact of 4 Joule according to IEC 60079-0, clause 26.4.2.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The casting compound was changed.
The ambient temperature range was extended to -30 °C.

Annex: BVS_15_0020_Festo_Annex_issue1.pdf

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Certificate No.: **IECEx BVS 15.0020X issue No.: 1**
Annex

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 °C ≤ T_a ≤ +65 °C	T5	95 °C
-30 °C ≤ T_a ≤ +50 °C	T6	80 °C

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