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UNITED KINGDOM CONFORMITY ASSESSMENT

UK TYPE EXAMINATION CERTIFICATE

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Product or Protective System Intended for use in Potentially Explosive Atmospheres**UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**3 Type Examination Certificate No.: **TÜV 21 UKEX 7016 X** Issue: **00**4 Product: **Magnet coil type VACC-S13-11-K4-1-...A**5 Manufacturer: **Festo SE & Co. KG**6 Address: **Ruiter Straße 82
73734 Esslingen, Germany**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 TUV Rheinland UK Ltd, Approved Body number 2571, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 557 / UKEx 7016.00 / 21.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018**EN 60079-11:2012**

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

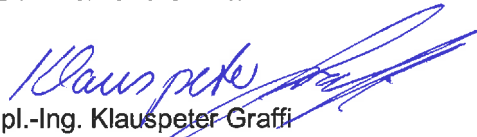
12 The marking of this product shall include the following:

**II 2G Ex ia IIC T5/T6 Gb****II 2D Ex ia IIIC T95°C/T80°C IP65 Db**

This certificate and its schedules may only be reproduced in its entirety and without change.

TUV Rheinland UK Ltd

Solihull, 2022-05-12


Dipl.-Ing. Klauspeter Graffi

This Type Examination Certificate without signature shall not be valid. Alterations are subject to approval by
TUV Rheinland UK Ltd, 1011 Stratford Road, Shirley, Solihull, B90 4BN, Tel. +44 (0) 121 7969400
A UKAS accredited certification body, No. 8400

13 SCHEDULE TO UK TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER TÜV 21 UKEX 7016 X

15 Description of Product

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

General product information

VACC solenoid coils C series
S13 Shank Anchor tube 13 mm
11 Power consumption max. 1.1 Watt
K4 terminal box and cable gland
 ... Ex-approval according to target region
A type of protection intrinsically safe

The solenoid coil consists 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 potting. The connection of the magnetic coil is possible via terminals.

Technical Data

Electrical data

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

Environmental data

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

16 Test report No. (associated with this certificate issue): 557 / UKEx 7016.00 / 21

17 Specific Conditions of Use

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

18 Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

Reg. no.	Document title:	Document no.:	Rev.:	Date:
	*KONFORMITAET	5672313	1	2022-02-11
	*operating-instr	8174522	1	2022-03
	*label			