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 IBE 25.0024X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2026-05-07		
Applicant:	**PFLITSCH GmbH & Co. KG** Ernst-Pflitsch-Straße 1 Hückeswagen 42499 **Germany**		
Equipment:	**Cable gland type UNI Dicht Inch ************		
Optional accessory:			
Type of Protection:	**Increased safety "eb" and protection by enclosure "tb"**		
Marking:	Ex eb IIC Gb Ex tb IIIC Db		

Approved for issue on behalf of the IECEx Certification Body: **Dr.-Ing. Peter Cimalla**

Position: **Deputy Head of department Certification Body**

Signature: (for printed version)

Date: (for printed version) 2026-05-07

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:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany

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Manufacturer: **PFLITSCH GmbH & Co. KG**
Ernst-Pflitsch-Straße 1
Hückeswagen 42499
Germany

Manufacturing locations: **PFLITSCH GmbH & Co. KG**
Ernst-Pflitsch-Straße 1
Hückeswagen 42499
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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Report:

DE/IBE/ExTR25.0027/00

Quality Assessment Report:

DE/IBE/QAR25.0001/00

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

The cable glands type UNI Dicht Inch ********** made of stainless steel is suitable for explosive atmospheres, especially to introduce permanently installed cables and wires into electrical equipment of the types of protection increased safety "e" and protection of enclosure "t".

Further information are given in the annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:
When using the cable gland, only wired cables that are to be installed permanently may be inserted and appropriate strain relief must be provided.

Degree of protection IP66 is only attained if the seal and the cable glands as well as the connecting thread sealing ring (made of Aluminium) are properly assembled. The manufacturer´s instructions must be observed.

The permitted service temperature range is -40 °C...+100 °C.

Bore holes not used in multiple sealing inserts must be closed with a bolt type BO *x* made of PVDF Regenerate (black).

Annex:

IB2530082_DEIBEExTR25.0027_00_EN_Annex.pdf

IECEx Certificate of Conformity - Annex

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General product information:

The cable glands type UNI Dicht Inch ********** made of stainless steel is suitable for explosive atmospheres, especially to introduce permanently installed cables and wires into electrical equipment of the types of protection increased safety "e" and protection of enclosure "t".

Technical data:

Size of connection thread	UNI Dicht Inch G 1/2"
Cable diameter	1 x 3.2 mm 2 x 3.2 mm 3 x 3.2 mm 1 x 4.0 mm 2 x 4.0 mm
Suited for device of equipment group II with mechanical risk level	high
For installing in devices with threaded holes (only for increased safety "e") ▪ Plastic, wall thickness ▪ Metal, wall thickness	 ≥ 5.0 mm ≥ 3.0 mm
For installing in device with through-holes (only for increased safety "e") ▪ Plastic, wall thickness ▪ Metal, wall thickness	 ≥ 2.0 mm ≥ 1.0 mm
Operating temperature range	-40 °C...+100 °C
Ingress protection	IP66 in acc. with EN 60529

Type UNI Dicht Inch ******** (max. tightening torque)**

Thread size	Metarial (stainless steel)		Mechanical strength
Inch	Double nipple	Pressure screw	
G 1/2"	140 Nm	25 Nm	7 J

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Type code:

UNI	Dicht	Inch	*	*	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9	10	11	12	13

1	*Type designation*	UNI
2	*Part of type designation*	Dicht
3	*Part of type designation*	Inch
4	*Type of thread*	1 = Inch
5	*Connecting thread (code number)*	Inch- thread ISO 228-1 012 = 1/2“
6	*Head thread (code number)*	Pg-thread DIN 46320 54 = PG 21
7	*Material*	*SAst = stainless steel*
8	*Kind of insert*	*im = silicon multiple*
9	Cable diameter, cable dimension (code number):	cable diameter: 1x3.2 = 1 x 3.2 mm; 2x3.2 = 2 x 3.2 mm; 3x3.2 = 3 x 3.2 mm; 1x4.0 = 1 x 4.0 mm; 2x4.0 = 2 x 4.0 mm sealing insert material silicone HTS
10	Additional letters for material	V4A
11	Nozzle inner adapter and Material sealing insert (code number)	SA3 = internal thread NPT
12	Code number for sealing insert	HTS = Silicone
13	Explosion protected	Type of protection Ex e „ex“