



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment or Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

PTB 18 ATEX 1013 X

Issue: 0

(4) Product: Kabel- und Leitungseinführung Type blueglobe CLEAN Plus *****

(5) Manufacturer: PFLITSCH GmbH & Co. KG

(6) Address: Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

The examination and test results are recorded in the confidential Test Report PTB Ex 18-18006.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
IEC 60079-0:2017, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

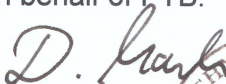
(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2 G Ex eb IIC Gb**
 **II 1 D Ex ta IIIC Da**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, September 10, 2018


Dr.-Ing. D. Markus
Direktor und Professor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)

SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 18 ATEX 1013 X, Issue: 0**

(15) Description of Product

The cable gland type blueglobe CLEAN Plus ***** made of stainless steel, serves to introduce fixed cables into electrical apparatus in the type of protection Increased Safety "eb" or Protection by Enclosure "ta". The cable gland consists of:

- pressure screw with sealing ring
- sealing insert
- double nipple with washers

Accessory is a lock nut.

The cable gland is installed in enclosures with through-holes or threaded holes. For through-holes, lock nuts are used.

Technical data

Size of connection thread	M10 to M40
Cable diameter	5 mm to 29 mm
Suited for devices of equipment group II with mechanical risk level	High, see table below
Mounted in enclosures with clearance holes	
Plastic, wall thickness	≥ 2 mm
Metal, wall thickness	≥ 1 mm
Mounted in enclosures with threaded holes	
Plastic, wall thickness	≥ 5 mm
Metal, wall thickness	≥ 3 mm
Service temperature	-60 °C to +130 °C
Ingress protection	IP66, IP68 and IP69 in accordance with IEC 60529, see table below

Size		Torque	Mechanical strength	Ingress protection
metric	article number and sealing diameter	connection thread and head thread		
M10	bg 210VA HTS cp ex, 7.0 – 5.0 mm	5 Nm	7 J	IP66
M12	bg 212VA HTS cp ex, 7.0 – 5.0 mm	5 Nm	7 J	IP66
M16	bg 216VA HTS cp ex, 9.0 – 7.0 mm	12 Nm	7 J	IP66

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SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 18 ATEX 1013 X, Issue: 0

Size		Torque	Mechanical strength	Ingress protection
M20	bg 220VA HTS cp ex, 12.0 – 9.0 mm	15 Nm	7 J	IP66
M25	bg225VA15 HTS cp ex 15.0 -12.0 mm bg 225VA HTS cp ex, 18.0 -15.0 mm	15 Nm	7 J	IP66 IP68 (5 bar, 30 min)
M32	bg 232VA21 HTS cp ex 21.0 – 18.0 mm bg 232VA HTS cp ex 23.0 – 20.0 mm	20 Nm	7 J	IP66 IP68 (5 bar, 30 min)
M40	bg 240VA HTS cp ex 26.0 – 23.0 mm bg 240VA HTS cp ex 29.0 – 26.0 mm	20 Nm	7 J	IP66 IP68 (1 bar, 30 min) IP69

Nomenclature

blueglobe CLEAN Plus	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9

- 1) Type designation
- 2) KLE blueglobe (bg)
- 3) Serie metric (2)
- 4) Size of connection thread (code number)
- 5) Material designation (VA = stainless steel)
- 6) Max. sealing diameter (code number), optional
- 7) Material sealing insert (HTS = silicone)
- 8) Type addition (cp)
- 9) Explosion protected (ex)

(16) Test Report PTB Ex18-18006

(17) Specific conditions of use

Only permanently wired cables may be entered. The user shall provide for the required strain relief.

Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
 On behalf of PTB:

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 Direktor und Professor



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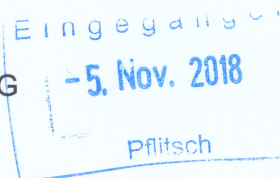
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Konformitätsbewertungsstelle, Sektor Explosionsschutz

PTB • Postfach 33 45 • 38023 Braunschweig

Firma PFLITSCH GmbH & Co. KG
z. Hd. Herrn Saßenbach

Ernst-Pflitsch-Straße 1 - Nord 1
42499 Hückeswagen



Ihr Zeichen:
Ihre Nachricht vom: 25.10.2018
Mein Zeichen:
Meine Nachricht vom:
Bearbeitet von: Dr. Monika Schumann
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Datum: 25.10.2018

Kabel- und Leitungseinführung Typ blueglobe CLEAN Plus ***** (PTB 18 ATEX 1013X)

Sehr geehrter Herr Saßenbach,

es bestehen keine sicherheitstechnischen Bedenken, die Kabel- und Leitungseinführung Typ blueglobe CLEAN Plus ***** mit einer TRI-Feder auszustatten.

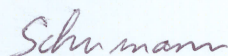
Wir bitten Sie, diese Änderung bei einer zukünftigen Ergänzung mit aufzunehmen.

Translation

there are no safety-related objections from PTB, to equip the cable gland type blueglobe CLEAN Plus ***** with a TRI-spring.

We would like to ask you to include this change into the next supplement.

Mit freundlichen Grüßen
im Auftrag



Dr. Monika Schumann
Regierungsrätin

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