



(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 06 ATEX 1032 X

Issue: 01

(4) Product: Screw plug of plastic type EX-*VSG ** (LT)

(5) Manufacturer: WISKA Hoppmann GmbH

(6) Address: Kisdorfer Weg 28, 24568 Kaltenkirchen, 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 17-16052.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012 + A11:2013, 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 2 D Ex tb IIIC Db

Konformitätsbewertungsstelle, Sektor Explosionsschutz
 On behalf of PTB:

Braunschweig, May 15, 2017

Dr.-Ing. D. Markus
 Oberregierungsrat



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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 06 ATEX 1032 X, Issue: 01**

(15) Description of Product

The explosion-proof screw plug, type EX-*VSG ** (LT), is made from plastics and is used for closing tapped holes that serve as cable entry in enclosures in the types of protection Increased Safety "eb" and Protection by enclosure "tb".

Technical Data

Type	Nominal size	Length of thread [mm]	Torque	Mechanical risk level and low temperature	
				Normal	LT
EX-EVSG 12 (LT)	M12x1.5	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-EVSG 16 (LT)	M16x1.5	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-EVSG 20 (LT)	M20x1.5	15	2 Nm	7 J, -40 °C	7 J, -40 °C 4 J, -60 °C
EX-EVSG 25 (LT)	M25x1.5	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 32 (LT)	M32x1.5	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 40 (LT)	M40x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 50 (LT)	M50x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 63 (LT)	M63x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 75 (LT)	M75x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 7 (LT)	Pg 7	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 9 (LT)	Pg 9	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 11 (LT)	Pg 11	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 13,5 (LT)	Pg 13,5	15	2 Nm	7 J, -40 °C	7 J, -40 °C 4 J, -60 °C
EX-VSG 16 (LT)	Pg 16	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 21 (LT)	Pg 21	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 29 (LT)	Pg 29	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 36 (LT)	Pg 36	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 42 (LT)	Pg 42	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 48 (LT)	Pg 48	15	10 Nm	7 J, -40 °C	7 J, -60 °C

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SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 06 ATEX 1032 X, Issue: 01

Minimum wall thickness of housing	Threaded hole, metal housing: 3 mm Threaded hole, plastic housing: 3 mm Through-hole, metal housing: 1 mm Through-hole, plastic housing: 2 mm
Service temperature range	Normal type max. -40 °C to +75 °C LT type max. -60 °C to +75 °C
Ingress protection	IP66 / IP68 (5 bar, 30 min) according to EN 60529

Nomenclature

EX	-	*	VSG		**		(LT)
1	2	3	4	5	6	7	8

1 = Code for explosion protected apparatus

2 = dash

3 = code for the type of thread

E = metric thread acc. to IEC 60423

- = Pg thread acc. to DIN 40430

4 = code for screw out of polyamide

5 = space

6 = code for size of thread

12 = M12x1.5

16 = M16x1.5 (E) or Pg 16

20 = M20x1.5

7 = Pg 7

9 = Pg 9

etc. to M75x1.5 resp. Pg 48

7 = space

8 = optional declaration of a special temperature range

LT = low temperature configuration (-60°C)

Details of change

- 1) New test according to EN 60079-0:2012 + A11:2013, EN 60079-7:2015, EN 60079-31:2014.
 The marking therefore changes to:

 II 2 G Ex eb IIC Gb

 II 2 D Ex tb IIIC Db

- 2) The LT-type is supplemented. The service temperature range for these types is max. -60 °C to +75 °C.
 3) The name of the manufacturer is changed to "WISKA Hoppmann GmbH".

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 06 ATEX 1032 X, Issue: 01

(16) Test Report PTB Ex 17-16052

(17) Specific conditions of use

Degree of protection IP66 / IP68 will be safeguarded only when the sealing is properly fitted. The manufacturer's instructions have to be followed.

The types with low impact energy are suitable in the approved ambient temperature range for installation in apparatus with the risk of mechanical hazard "low" of group II and III.

Outside of this ambient temperature range these types have to be mounted into an apparatus in such a way that they are adequately protected against mechanical hazard.

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 15, 2015


Dr.-Ing. D. Markus
Oberregierungsrat

