



(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: 2

(4) Product: Threaded blanking element 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 22-11176.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018, 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, June 3, 2022


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.

SCHEDULE

(13)

(14) **EU-Type Examination Certificate Number PTB 06 ATEX 1032 X, Issue: 2**

(15) Description of Product

The threaded blanking element, type Ex-VSG ** (LT) is made from plastic.

It is used to close holes for cable entries in enclosures designed to types of protection Increased Safety "eb" and Protection by Enclosure "tb"

Technical data

Connection thread size	Metric, M12x1.5 to M75x1.5 PG, PG 7 to PG 48
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
Suited for equipment with the mechanical risk level	Depends on the size and the ambient temperature See table below
Operating temperature range	Normal type: max. -40 °C to +75 °C LT type: max. -60 °C to +75 °C
Ingress protection	IP66 / IP68 (5bar, 30min) according to EN 60529

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Type designation	Thread size	Thread length [mm]	Hexagon [mm]	Torque	Ambient temperature range					
					-60°C up to -40°C		-40°C up to -25°C		-25°C up to +75°C	
					Normal	LT	Normal	LT	Normal	LT
EX-EVSG 12 (LT)	M12x1,5	15	16	2 Nm	C	C	B	B	A	A
EX-EVSG 16 (LT)	M16x1,5	15	20	2 Nm	C	C	B	B	A	A
EX-EVSG 20 (LT)	M20x1,5	15	24	2 Nm	C	B	A	A	A	A
EX-EVSG 25 (LT)	M25x1,5	15	29	5 Nm	C	A	A	A	A	A
EX-EVSG 32 (LT)	M32x1,5	15	36	5 Nm	C	A	A	A	A	A
EX-EVSG 40 (LT)	M40x1,5	15	46	10 Nm	C	A	A	A	A	A
EX-EVSG 50 (LT)	M50x1,5	15	55	10 Nm	C	A	A	A	A	A
EX-EVSG 63 (LT)	M63x1,5	15	68	10 Nm	C	A	A	A	A	A
EX-EVSG 75 (LT)	M75x1,5	15	82	10 Nm	C	A	A	A	A	A
EX-VSG 7 (LT)	Pg 7	15	16	2 Nm	C	A	A	A	A	A
EX-VSG 9 (LT)	Pg 9	15	20	2 Nm	C	A	A	A	A	A
EX-VSG 11 (LT)	Pg 11	15	24	2 Nm	C	A	A	A	A	A
EX-VSG 13,5 (LT)	Pg 13,5	15	24	2 Nm	C	A	A	A	A	A
EX-VSG 16 (LT)	Pg 16	15	29	5 Nm	C	A	A	A	A	A
EX-VSG 21 (LT)	Pg 21	15	36	5 Nm	C	A	A	A	A	A
EX-VSG 29 (LT)	Pg 29	15	46	10 Nm	C	A	A	A	A	A
EX-VSG 36 (LT)	Pg 36	15	55	10 Nm	C	A	A	A	A	A
EX-VSG 42 (LT)	Pg 42	15	68	10 Nm	C	A	A	A	A	A
EX-VSG 48 (LT)	Pg 48	15	68	10 Nm	C	A	A	A	A	A

A = approved for installation with the risk of mechanical hazard high
 B = approved for installation with the risk of mechanical hazard low
 C = not approved for installation

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Nomenclature

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

- 1 = Specification for explosion-proof device
- 2 = Hyphen
- 3 = Angabe des Gewindetyps
- E = metric connection thread according to EN 60423
- Not specified = connection thread Pg according to DIN 40430
- 4 = Specification for polyamide locking screw
- 5 = Space
- 6 = Specification of the thread size
- 12 = M12x1,5
- 16 = M16x1,5 (at E) or Pg 16
- 20 = M20x1,5
- 7 = Pg 7
- 9 = Pg 9
- etc. up to M75x1,5 or Pg 48
- 7 = Space
- 8 = Optional specification of a special operating temperature:
- LT = Low-temperature use (-60°C)

Changes with respect to previous editions
 No technical changes. Updated to current editions of EN IEC 60079-0:2018,
 EN IEC 60079-7:2014+A1:2018.

(16) Test Report PTB Ex 22-11176

(17) Specific conditions of use


1. Types suitable for a “low” risk of mechanical danger shall be mounted in such a way that they are mechanically protected against impact force.
2. Degree of protection will be safeguarded only when the Threaded blanking element is 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:

Braunschweig, June 3, 2022


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