



(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 05 ATEX 1106

Issue: 2

(4) Product: Threaded blanking element type EX-****VS(-L) ** (LT)(-)**** (*ADR ****/90**)

(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 22-11174.

(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.

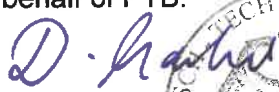
(12) The marking of the product shall include the following:

 **II 2 G Ex eb IIC Gb**

 **II 2 D Ex tb IIIC Db**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 28, 2022


Dr.-Ing. D. Markus
Direktor und Professor



SCHEDULE

(13)

(14) **EU-Type Examination Certificate Number PTB 05 ATEX 1106, Issue: 2**

(15) Description of Product

The threaded blanking element, type EX-****VS(-L) ** (LT)(-)**** (*ADR ****/90**) is made from brass or stainless steel.

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 M63x1.5 Pg, Pg7 to Pg 36
Minimum wall thickness of housing	Threaded hole, metal housing: 3 mm Threaded hole, plastic housing: 4 mm Through-hole, metal housing: 1 mm Through-hole, plastic housing: 2 mm
Suited for equipment of device group II with the mechanical risk level	high
Operating temperature range	Normal type: -40 °C to +120 °C LT type: -60 °C to +120 °C Variant with flat sealing: -40° C to +75°C
Ingress protection	IP66 / IP68 (5bar, 30min) according to EN 60529

Type designation	Connection thread size	Spanner size /mm	Thread length / mm
EX-E*VS 12 (LT)(-**) (EADR 12/90)	M12x1,5	14	5
EX-E*VS 16 (LT)(-**) (EADR 16/90)	M16x1,5	18	5
EX-E*VS 20 (LT)(-**) (EADR 20/90)	M20x1,5	22	6
EX-E*VS 25 (LT)(-**) (EADR 25/90)	M25x1,5	28 (30*)	6,5
EX-E*VS 32 (LT)(-**) (EADR 32/90)	M32x1,5	35 (36*)	7
EX-E*VS 40 (LT)(-**) (EADR 40/90)	M40x1,5	44 (46*)	8
EX-E*VS 50 (LT)(-**) (EADR 50/90)	M50x1,5	54 (55*)	9
EX-E*VS 63 (LT)(-**) (EADR 63/90)	M63x1,5	67 (68*)	10
EX-E*VS-L 12 (LT)(-**) (EADR 12/90)	M12x1,5	14	15

sheet 2/5

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 TO EU-TYPE EXAMINATION CERTIFICATE PTB 05 ATEX 1106, Issue: 2

EX-E*VS-L 16 (LT)(-**) (EADR 16/90)	M16x1,5	18	15
EX-E*VS-L 20 (LT)(-**) (EADR 20/90)	M20x1,5	22	15
EX-E*VS-L 25 (LT)(-**) (EADR 25/90)	M25x1,5	28 (30*)	15
EX-E*VS-L 32 (LT)(-**) (EADR 32/90)	M32x1,5	35 (36*)	15
EX-E*VS-L 40 (LT)(-**) (EADR 40/90)	M40x1,5	44 (46*)	15
EX-E*VS-L 50 (LT)(-**) (EADR 50/90)	M50x1,5	54 (55*)	15
EX-E*VS-L 63 (LT)(-**) (EADR 63/90)	M63x1,5	67 (68*)	15
EX-*VS 7 (LT)(-**) (ADR 7/90)	Pg 7	22	12
EX-*VS 9 (LT)(-**) (ADR 9/90)	Pg 9	14	5
EX-*VS 11 (LT)(-**) (ADR 11/90)	Pg 11	17 (18*)	6
EX-*VS 13,5 (LT)(-**) (ADR 13,5/90)	Pg 13,5	20	6
EX-*VS 16 (LT)(-**) (ADR 16/90)	Pg 16	22	6,5
EX-*VS 21 (LT)(-**) (ADR 21/90)	Pg 21	24	6,5
EX-*VS 29 (LT)(-**) (ADR 29/90)	Pg 29	30	8
EX-*VS 36 (LT)(-**) (ADR 36/90)	Pg 36	40	8
EX-*VS-L 7 (LT)(-**) (ADR 7/90)	Pg 7	50	9
EX-*VS-L 9 (LT)(-**) (ADR 9/90)	Pg 9	14	15
EX-*VS-L 11 (LT)(-**) (ADR 11/90)	Pg 11	17 (18*)	15
EX-*VS-L 13,5 (LT)(-**) (ADR 13,5/90)	Pg 13,5	20	15
EX-*VS-L 16 (LT)(-**) (ADR 16/90)	Pg 16	22	15
EX-*VS-L 21 (LT)(-**) (ADR 21/90)	Pg 21	24	15
EX-*VS-L 29 (LT)(-**) (ADR 29/90)	Pg 29	30	15
EX-*VS-L 36 (LT)(-**) (ADR 36/90)	Pg 36	40	15

Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12	13
EX	-	*	*	VS	(-L)		**		(LT)	-**		(*ADR **/90)

- 1 = Specification of the area of application
 EX = for potentially explosive atmospheres
- 2 = Hyphen
- 3 = Type of connection thread
 Without specification = Pg connection thread according to DIN 40430
 E = metric connection thread according to EN 60423
- 4 = Specification of the material main group
 M = Brass
 S = Stainless steel
- 5 = Indication of the product category
 VS = Locking screw
- 6 = Specification of a variant of the length of the connection thread
 -L = long connection thread

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 05 ATEX 1106, Issue: 2

7 = Space

8 = Nominal size of the connection thread

12 = metric thread M12x1,5

16 = metric thread M16x1,5

20 = metric thread M20x1,5

25 = metric thread M25x1,5

32 = metric thread M32x1,5

40 = metric thread M40x1,5

50 = metric thread M50x1,5

63 = metric thread M63x1,5

7 = Pg-thread Pg7

9 = Pg- thread Pg9

11 = Pg-thread Pg11

13,5 = Pg- thread Pg13,5

16 = Pg- thread Pg16

21 = Pg- thread Pg21

29 = Pg- thread Pg29

36 = Pg- thread Pg36

9 = Space

10 = Specification of a special temperature range

LT = Version for low-temperature use

11 = Specification of a special material design

Without specification for material main group "M" = Standard Product in brass (2.0401 / CuZn39Pb3 / W614N / CZ 121),, nickel-plated surface

Not specified for material main group "S" = Standard Product in stainless steel 1.4305 (X8CrNiS 18 9 / AISI 303 / 303 S 22)

-Cr = Brass, chrome-plated

-Bl = Brass blank (without surface coating)

-A4 = Stainless steel 1.4435 (X2CrNiMo 18 14 3 / AISI 316L / 316 S 14)

12 = Space

13 = Indication of the equipment with flat sealing ring, e.g.

EADR 20/90 = Equipped with flat gasket for nominal size M20 with a seal 90°ShoreA

ADR 21/90 = Equipped with flat gasket for nominal size Pg21 with a seal 90°ShoreA

Notes for manufacturing and operation

Degree of protection will be safeguarded only when the screw plug is properly fitted. The manufacturer's instructions must be followed.

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 05 ATEX 1106, Issue: 2

Changes with respect to previous editions

- 1) Company name is changed to WISKA Hoppmann GmbH.
- 2) No technical changes. Updated to current editions of IEC 60079-0 (Ed. 7), IEC 60079-7 (Ed. 5.1).
- 3) Marking is changed to:
II 2 G Ex eb IIC Gb
II 2 D Ex tb IIIC Db

(16) Test Report PTB Ex 22-11174

(17) Specific conditions of use


N/A

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 28, 2022


Dr.-Ing. D. Markus
Direktor und Professor

