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 PTB 14.0024**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2014-08-28)
Date of Issue:	2022-06-28		
Applicant:	**WISKA Hoppmann GmbH** Kisdorfer Weg 28 24568 Kaltenkirchen **Germany**		
Equipment:	**Threaded blanking element EX-**VS(-L) ** (LT)(-**) (*ADR **/90)**		
Optional accessory:			
Type of Protection:	**"eb", "tb"**		
Marking:	Ex eb IIC Gb Ex tb IIIC Db		

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

Position: **Head of Department "Explosion Protection in Energy Technology"**

Signature: (for printed version)

Date: (for printed version) 28.06.22

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Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

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Certificate No.: **IECEx PTB 14.0024**

Date of issue: 2022-06-28

Issue No: 1

Manufacturer: **WISKA Hoppmann GmbH**
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany

Manufacturing locations: **WISKA Hoppmann GmbH**
Kisdorfer Weg 28
24568 Kaltenkirchen
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 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-31:2013 Edition:2 — Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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

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/PTB/ExTR14.0027/01

Quality Assessment Report:

DE/PTB/QAR11.0006/06

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

Description

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, Nomenclature and Notes for manufacturing and operation see Annex.

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

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:
   Ex eb IIC Gb
   Ex tb IIIC Db

Annex:

COCA140024-01.pdf

Applicant: WISKA Hoppmann GmbH
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany

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

Description

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: max. -40 °C to +120 °C LT type: max. -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
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	12
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
N = NPT connection thread according to ANSI B1.20.1 (not part of the approval, later option)
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

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 Produkt in brass (2.0401 / CuZn39Pb3 / W614N / CZ 121),, nickel-plated surface
- Not specified for material main group "S" = Standard Produkt 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.B.
- 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.

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