



# 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](http://www.iecex.com)

Certificate No.: **IECEX PTB 14.0023X** Page 1 of 4 **Certificate history:**  
Status: **Current** Issue No: 1 **Issue 0 (2014-08-07)**  
Date of Issue: **2022-01-18**  
Applicant: **WISKA Hoppmann & Mulsow GmbH**  
**Kisdorfer Weg 28**  
**24568 Kaltenkirchen**  
**Germany**  
Equipment: **Cable gland type Ex-KVM - \*\* -\* -\*\* (-\*\*)**  
Optional accessory:  
Type of Protection: **"eb", "tb"**  
Marking: **Ex eb IIC Gb**  
**Ex tb III C 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)

*D. Markus*

Date:

*21.01.22*

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Certificate issued by:

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





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

Additional  
manufacturing  
locations:

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](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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/ExTR14.0026/01](#)

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 cable gland, type Ex-KVM-\*\*-\*(-\*\*) is made from brass or stainless steel.

It is used for permanently wired cables entering electrical equipment in the type of protection Increased Safety "e" and Protection by enclosure "tb".

It may optionally come as version "W" or "Z" in compliance with DIN 89280.

The cable entry consists of a threaded bush (short and long type), adapter connections with metric connection thread, sealing ring, two compression rings, earthing elements for version "Z", blind plug of type BS\*\*, and connection thread sealing ring.

Technical Data and Nomenclature see Annex.

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

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.



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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), IEC 60079-31 (Ed. 2).
3. Marking is changed to:  
Ex eb IIC Gb  
Ex tb IIIC Db

## Annex:

[COCA140023X-01.pdf](#)



Applicant: WISKA Hoppmann GmbH  
Kisdorfer Weg 28  
24568 Kaltenkirchen  
Germany

Electrical Apparatus: Cable gland type Ex-KVM-\*\*-\*-\*\*(-\*\*)

### Description

The cable gland, type Ex-KVM-\*\*-\*-\*\*(-\*\*) is made from brass or stainless steel. It is used for permanently wired cables entering electrical equipment in the type of protection Increased Safety "eb" and Protection by enclosure "tb". It may optionally come as version "W" or "Z" in compliance with DIN 89280. The cable entry consists of a threaded bush (short and long type), adapter connections with metric connection thread, sealing ring, two compression rings, earthing elements for version "Z", blind plug of type BS\*\*, and connection thread sealing ring.

### Technical data

Connection thread size	Metric, M18 to M32
Minimum wall thickness of housing	Threaded hole, metal housing: 3 mm Threaded hole, plastic housing: 5 mm Through-hole, metal housing: 1 mm Through-hole, plastic housing: 2 mm
Suited for cable diameters	Subject to nominal size, between 7 mm and 20.5 mm
Suited for equipment of device group IIC with the mechanical risk level	high
Operating temperature range	-40 °C to +120 °C
Ingress protection	IP66 / IP67 according to EN 60529



## Nomenclature

EX	-	KV	M	-	**	-	*	-	**	(-**)
1	2	3	4	5	6	7	8	9	10	11

1 = code for the application area

Ex = explosionproof area

2 = hyphen

3 = code for the product type

KV = cable gland (Kabelverschraubung)

4 = type of connection thread

M = metric connection thread according to ISO 965

5 = hyphen

6 = nominal size of the connection thread, for example:

18 = metric thread M18x1,5

20 = metric thread M20x1,5

24 = metric thread M24x1,5

25 = metric thread M25x1,5

30 = metric thread M30x2

32 = metric thread M32x1,5

7 = hyphen

8 = declaration of the configuration

W = configuration with sealing ring only (without EMV-contact cage)

Z = configuration with sealing ring and EMV-contact cage

9 = hyphen

10 = nominal size of the sealing ring

08 = sealing ring with inner diameter 8 mm (sealing range 7,0mm – 8,5mm), for KV size M18, M20, M24, M25

10 = sealing ring with inner diameter 10mm (sealing range 8,0mm – 10,5mm), for KV size M18, M20, M24, M25

12 = sealing ring with inner diameter 12mm (sealing range 10,0mm – 12,5mm), for KV size M24, M25

14 = sealing ring with inner diameter 14mm (sealing range 12,0mm – 14,5mm), for KV size M24, M25

16 = sealing ring with inner diameter 16mm (sealing range 14,0mm – 16,5mm), for KV size M24, M25

17 = sealing ring with inner diameter 17mm (sealing range 16,0mm – 17,5mm), for KV size e M24, M25

18 = sealing ring with inner diameter 18mm (sealing range 16,0mm – 18,5mm), for KV size M30, M32

20 = sealing ring with inner diameter 20mm (sealing range 18,0mm – 20,5mm), for KV size M30, M32

11 = Declaration of material

Without declaration = standard product, brass, blank

(2.0401/ CuZn39Pb3 / CW614N / CZ 121)

-Ni = brass, nickel plated

-Cr = brass, chromium plated

-A2 = stainless steel 1.4305 (X8CrNiS 18 9 / AISI 303 / 303 S 22)

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

## Conditions of Use

- 1) Only permanently wired cables shall be entered. The user shall provide for the required strain relief.
- 2) Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.