

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx PTB 14.0025 Issue No: 0 Certificate history:
Issue No. 0 (2014-08-06)

Status: Current Page 1 of 3

Date of Issue: 2014-08-06

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

Electrical Apparatus: Screw plug type EX-VSM **(-)**
Optional accessory:

Type of Protection: "e", "tb"

Marking: Ex e IIC Gb
Ex tb IIIC Db

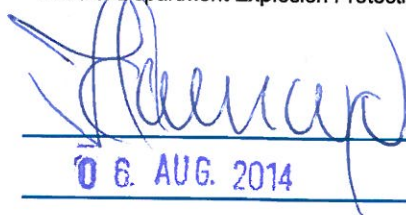
Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Department Explosion Protection in Energy Technology

Signature:
(for printed version)



Date:

06. AUG. 2014

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No: IECEx PTB 14.0025 Issue No: 0
Date of Issue: 2014-08-06 Page 2 of 3
Manufacturer: WISKA Hoppmann & Mulsow GmbH
Kisdorfer Weg 28
24568 Kaltenkirchen
Germany

Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate does not indicate compliance with electrical 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/ExTR14.0028/00

Quality Assessment Report:

DE/PTB/QAR11.0006/01



IECEX Certificate of Conformity

Certificate No: IECEx PTB 14.0025

Issue No: 0

Date of Issue: 2014-08-06

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The screw plug, type EX-VSM **(-**), made from brass or stainless steel, is used to close holes for cable entries in enclosures designed to types of protection Increased Safety "e" and Protection by Enclosure "tb".

Technical data, Nomenclature and Notes for manufacturing and operation see Annex.

CONDITIONS OF CERTIFICATION: NO

Annex:

[Annex to IECEx PTB14.0025-Issue 0.pdf](#)



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

Electrical Apparatus: Screw plug type EX-VSM **(-**)

Description of equipment

The screw plug, type EX-VSM **(-**), made from brass or stainless steel, is used to close holes for cable entries in enclosures designed to types of protection Increased Safety "e" and Protection by Enclosure "tb".

Technical data

Connection thread size	M16x1.5 to M105x2
Connection thread length	5 mm to 15 mm
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 IIC with the mechanical risk level	high
Service temperature range	-40 °C to +120 °C
Ingress protection	IP66 / IP68 (5bar, 30min) according to EN 60529

Type name	Nominal size	Thread length [mm]
EX-VSM 16	M16x1.5	8
EX-VSM 18	M18x1.5	8
EX-VSM 20	M20x1.5	8
EX-VSM 24	M24x1.5	9
EX-VSM 25	M25x1.5	9
EX-VSM 30	M30x2	10
EX-VSM 32	M32x1.5	10
EX-VSM 36	M36x2	12
EX-VSM 40	M40x1.5	12
EX-VSM 45	M45x2	12
EX-VSM 50	M50x1.5	12
EX-VSM 56	M56x2	12
EX-VSM 63	M63x1.5	12



EX-VSM 72	M72x2	12
EX-VSM 75	M75x1.5	12
EX-VSM 80	M80x2	12
EX-VSM 105	M105x2	12

Nomenclature

EX	-	VS	M		**	(-**)
1	2	3	4	5	6	7

- 1 = code for the application area
 - Ex = explosion protected area
- 2 = hyphen
- 3 = code for the product type
 - VS = blanking screw
- 4 = type of connection thread
 - M = metric connection thread acc. to ISO 965
- 5 = space
- 6 = nominal size of the connection thread
 - 16 = metric thread M16x1.5
 - 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
 - 36 = metric thread M36x2
 - 40 = metric thread M40x1.5
 - 45 = metric thread M45x2
 - 50 = metric thread M50x1.5
 - 56 = metric thread M56x2
 - 63 = metric thread M63x1.5
 - 72 = metric thread M72x2
 - 75 = metric thread M75x1.5
 - 80 = metric thread M80x2
 - 105 = metric thread M105x2
- 7 = 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 / AISI316L / 316 S 14)

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.