



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

Certificate No.: IECEx PTB 16.0025X

Issue No: 0

Certificate history:

Issue No. 0 (2017-05-15)

Status: **Current**

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Date of Issue: **2017-05-15**

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

Equipment: **Screw plug type EX-\*VSG \*\* (LT)**

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)

  
15.05.17

Date:

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

Certificate issued by:

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





# IECEX Certificate of Conformity

Certificate No: IECEx PTB 16.0025X Issue No: 0  
Date of Issue: 2017-05-15 Page 2 of 3  
Manufacturer: **WISKA Hoppmann 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> Edition:5.0	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/ExTR16.0040/00](#)

### Quality Assessment Report:

[DE/PTB/QAR11.0006/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description

The explosion-proof screw plug, type EX-\*VSG \*\* (LT), is made from plastics and is used for closing tapped holes that serve as cable entry in enclosures in the types of protection Increased Safety "eb" and Protection by enclosure "tb".

Technical Data and Nomenclature see Annex.

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

The types with low impact energy are suitable in the approved ambient temperature range for installation in apparatus with the risk of mechanical hazard "low" of group II and III.

Outside of this ambient temperature range these types have to be mounted into an apparatus in such a way that they are adequate protected against mechanical hazard.

Degree of protection will be safeguarded only when the sealing is properly fitted. The manufacturer's instructions have to be followed.

#### Annex:

[COCA160025-00.pdf](#)



Applicant: WISKA Hoppmann GmbH  
Kisdorfer Weg 28  
24568 Kaltenkirchen  
Germany

Electrical Apparatus: Screw plug type EX-\*VSG \*\* (LT)

### Description

The explosion-proof screw plug, type EX-\*VSG \*\* (LT), is made from plastics and is used for closing tapped holes that serve as cable entry in enclosures in the types of protection Increased Safety "eb" and Protection by enclosure "tb".

### Technical Data

Type	Nominal size	Length of thread [mm]	Torque	Mechanical risk level and low temperature	
				Normal	LT
EX-EVSG 12 (LT)	M12x1.5	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-EVSG 16 (LT)	M16x1.5	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-EVSG 20 (LT)	M20x1.5	15	2 Nm	7 J, -40 °C	7 J, -40 °C 4 J, -60 °C
EX-EVSG 25 (LT)	M25x1.5	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 32 (LT)	M32x1.5	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 40 (LT)	M40x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 50 (LT)	M50x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 63 (LT)	M63x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-EVSG 75 (LT)	M75x1.5	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 7 (LT)	Pg 7	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 9 (LT)	Pg 9	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 11 (LT)	Pg 11	15	2 Nm	7 J, -20 °C 4 J, -40 °C	7 J, -20 °C 4 J, -40 °C
EX-VSG 13,5 (LT)	Pg 13,5	15	2 Nm	7 J, -40 °C	7 J, -40 °C 4 J, -60 °C
EX-VSG 16 (LT)	Pg 16	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 21 (LT)	Pg 21	15	5 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 29 (LT)	Pg 29	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 36 (LT)	Pg 36	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 42 (LT)	Pg 42	15	10 Nm	7 J, -40 °C	7 J, -60 °C
EX-VSG 48 (LT)	Pg 48	15	10 Nm	7 J, -40 °C	7 J, -60 °C



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
Service temperature range	Normal type max. -40 °C to +75 °C LT type max. -60 °C to +75 °C
Ingress protection	IP66 / IP68 (5 bar, 30 min) according to EN 60529

### Nomenclature

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

- 1 = Code for explosion protected apparatus
- 2 = dash
- 3 = code for the type of thread
  - E = metric thread acc. to IEC 60423
  - = Pg thread acc. to DIN 40430
- 4 = code for screw out of polyamide
- 5 = space
- 6 = code for size of thread
  - 12 = M12x1.5
  - 16 = M16x1.5 (E) or Pg 16
  - 20 = M20x1.5
  - 7 = Pg 7
  - 9 = Pg 9
  - etc. to M75x1.5 resp. Pg 48
- 7 = space
- 8 = optional declaration of a special temperature range
  - LT = low temperature configuration (-60°C)

## IECEX Technical Report: DE/PTB/ExTR16.0040/00 details

ExTR :	
ExTR Reference Number *: (automatic numbering)	DE/PTB/ExTR16.0040/00
Status*:	Issued
ExTR Free Reference Number*:	DE/PTB/ExTR16.0040/00
Date of Issue*: (yyyy-mm-dd)	2017-05-15
List of Standards Covered*:	IEC 60079-0 (Ed.6.0); IEC 60079-31 (Ed.2); IEC 60079-7 (Ed.5.0)
Issuing ExTL*:	PTB - Physikalisch-Technische Bundesanstalt (PTB)
Endorsing ExCB*:	PTB - Physikalisch-Technische Bundesanstalt (PTB)
Manufacturer*:	WISKA Hoppmann GmbH Kisdorfer Weg 28 24568 Kaltenkirchen
Country of Manufacture*:	Germany
Ex Protection*:	Increased Safety "eb" Protection by enclosure "tb"
Ratings:	see certificate
Equipment*:	Screw plug
Model Reference*:	Type EX-*VSG ** (LT)
Related IECEX Certificates:	<a href="#">IECEX PTB 16.0025X issue: 0 [Current]</a>
Comment:	
Attachment:	

Last modified: 12.05.2017 12:21:57

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