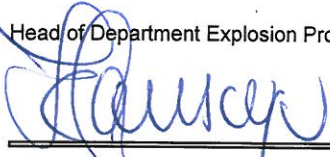




IECEx Certificate of Conformity

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 14.0024	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2014-08-28	Page 1 of 3	
Applicant:	WISKA Hoppmann & Mulsow GmbH Kisdorfer Weg 28 24568 Kaltenkirchen Germany		
Electrical Apparatus: Optional accessory:	Screw plug type EX-**VS(-L) ** (LT)(-**) (*ADR **/90)		
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:	02 SEP. 2014		
<ol style="list-style-type: none">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





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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/ExTR14.0027/00](#)

Quality Assessment Report:
[DE/PTB/QAR11.0006/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The screw plug type EX-****VS(-L) ** (LT)(-)** (*ADR **/90)**, made from brass or stainless steel, is used for closing holes that serve as cable entry in enclosures designed to type 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: CoCA 14.0024-Issue Nr. 0.pdf



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

Electrical Apparatus: Screw plug type EX-****VS(-L) ** (LT)(-)**** (*ADR ****/90**)

Description of equipment

The screw plug type EX-****VS(-L) ** (LT)(-)**** (*ADR ****/90**), made from brass or stainless steel, is used for closing holes that serve as cable entry in enclosures designed to type of protection Increased Safety "e" and Protection by Enclosure "tb".

Technical data

Connecting thread size	M12x1.5 to M63x1.5 Pg7 to Pg36
Connecting thread length	5 mm to 15 mm
Minimum wall thickness for enclosures with tapped holes	Metal enclosure 3 mm Plastic enclosure 4 mm
Minimum wall thickness for enclosures with through holes	Metal enclosure 1 mm Plastic enclosure 2 mm
Service temperature range	Normal -40 °C to +120 °C LT-variant -60 °C to +120 °C Variant with flat sealing -40 °C to +75 °C
Suited for equipment of device group II with mechanical risk level	High
Protection against contact, foreign bodies and water	IP 66 / IP 68 (5 bar/30 min) acc. to IEC 60529

Type	Connecting thread length [mm]	Type	Connecting thread length [mm]	Connecting thread size
EX-E*VS 12 (LT)(-**) (EADR 12/90)	5	EX-E*VS-L 12 (LT)(-**) (EADR 12/90)	15	M12x1.5
EX-E*VS 16 (LT)(-**) (EADR 16/90)	5	EX-E*VS-L 16 (LT)(-**) (EADR 16/90)	15	M16x1.5
EX-E*VS 20 (LT)(-**) (EADR 20/90)	6	EX-E*VS-L 20 (LT)(-**) (EADR 20/90)	15	M20x1.5
EX-E*VS 25 (LT)(-**) (EADR 25/90)	6.5	EX-E*VS-L 25 (LT)(-**) (EADR 25/90)	15	M25x1.5
EX-E*VS 32 (LT)(-**) (EADR 32/90)	7	EX-E*VS-L 32 (LT)(-**) (EADR 32/90)	15	M32x1.5
EX-E*VS 40 (LT)(-**) (EADR 40/90)	8	EX-E*VS-L 40 (LT)(-**) (EADR 40/90)	15	M40x1.5
EX-E*VS 50 (LT)(-**) (EADR 50/90)	9	EX-E*VS-L 50 (LT)(-**) (EADR 50/90)	15	M50x1.5
EX-E*VS 63 (LT)(-**) (EADR 63/90)	10	EX-E*VS-L 63 (LT)(-**) (EADR 63/90)	15	M63x1.5
EX-*VS 7 (LT)(-**) (ADR 7/90)	5	EX-*VS-L 7 (LT)(-**) (ADR 7/90)	15	Pg 7
EX-*VS 9 (LT)(-**) (ADR 9/90)	6	EX-*VS-L 9 (LT)(-**) (ADR 9/90)	15	Pg 9
EX-*VS 11 (LT)(-**) (ADR 11/90)	6	EX-*VS-L 11 (LT)(-**) (ADR 11/90)	15	Pg 11
EX-*VS 13,5 (LT)(-**) (ADR 13,5/90)	6.5	EX-*VS-L 13,5 (LT)(-**) (ADR 13,5/90)	15	Pg 13.5
EX-*VS 16 (LT)(-**) (ADR 16/90)	6.5	EX-*VS-L 16 (LT)(-**) (ADR 16/90)	15	Pg 16
EX-*VS 21 (LT)(-**) (ADR 21/90)	8	EX-*VS-L 21 (LT)(-**) (ADR 21/90)	15	Pg 21
EX-*VS 29 (LT)(-**) (ADR 29/90)	8	EX-*VS-L 29 (LT)(-**) (ADR 29/90)	15	Pg 29
EX-*VS 36 (LT)(-**) (ADR 36/90)	9	EX-*VS-L 36 (LT)(-**) (ADR 36/90)	15	Pg 36

Nomenclature

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

- 1 = code for the application area
Ex = explosion protected area
- 2 = hyphen
- 3 = type of connecting thread
Without declaration = Pg-connecting thread acc. to DIN 40430
E = metric connecting thread acc. to EN 60423
- 4 = Declaration of material main group
M = brass
S = stainless steel
- 5 = code for the product type
VS = blanking screw
- 6 = optional declaration for a special connecting thread
-L = long connecting thread

- 7 = space
8 = nominal size of the connecting 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 = optional declaration of a special temperature range
LT = low temperature configuration (-60°C)
11 = Declaration of material
Without declaration at main group "M" = standard product, brass, nickel-plated
(2.0401/ CuZn39Pb3 / W614N / CZ 121)
Without declaration at main group "S" = standard product, stainless steel
1.4305 (X8CrNiS 18 9 / AISI 303 / 303 S 22)
-Cr = brass, chromium plated
-BL = brass blank
-A4 = stainless steel 1.4435 (X2CrNiMo 18 14 3 / AISI 316L / 316 S 14)
12 = space
13 = declaration of special flat sealing ring, e.g.
EADR 20/90 = special flat sealing ring for nominal size M20
with a sealing of 90°ShoreA
ADR 21/90 = special flat sealing ring for nominal size Pg21
with a sealing of 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.

IECEX Technical Report: DE/PTB/ExTR14.0027/00 details

ExTR :	
ExTR Reference Number *: (automatic numbering)	DE/PTB/ExTR14.0027/00
Status*:	Issued
ExTR Free Reference Number*:	DE/PTB/ExTR14.0027/00
Date of Issue*: (yyyy-mm-dd)	2014-08-28
List of Standards Covered*:	IEC 60079-0 (Ed.6.0); IEC 60079-31 (Ed.2); IEC 60079-7 (Ed.4)
Issuing ExTL*:	PTB - Physikalisch-Technische Bundesanstalt (PTB)
Endorsing ExCB*:	PTB - Physikalisch-Technische Bundesanstalt (PTB)
Manufacturer*:	WISKA Hoppmann & Mulsow GmbH Kisdorfer Weg 28 24568 Kaltenkirchen
Country of Manufacture*:	Germany
Ex Protection*:	Ex e IIC Gb Ex tb IIIC Db
Ratings:	See certificate
Product*:	Screw Plug
Model Reference*:	Type EX-**VS(-L) ** (LT)(-**) (*ADR **/90)
Related IECEx Certificates:	IECEX PTB 14.0024 issue: 0 [Current]
Comment:	
Attachment:	

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