



[1]

UNITED KINGDOM CONFORMITY ASSESSMENT
UK-TYPE EXAMINATION CERTIFICATE

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3]

UK-Type Examination Certificate No.: **UL22UKEX2675 Rev. 0**

[4]

Product: **Threaded blanking element type EX-^{**}VS(-L) ^{**} (LT)(-^{**}) (*ADR ^{**}/90)**

[5]

Manufacturer: **WISKA Hoppmann GmbH**

[6]

Address: **Kisdirfer Weg 28, 24568 Kaltenkirchen, Germany**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential report DE/PTB/ExTR14.0027/01.

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN IEC 60079-7:2015/A1:2018

EN 60079-31:2014

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the Schedule to this certificate.

[11]

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the product shall include the following:

 **II 2 G Ex eb IIC Gb**

 **II 2 D Ex tb IIIC Db**

Certification Officer

Andrew Moffat

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the UKEx Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2023-01-30

Approved Body

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK
Phone : +44 (0)1256 312100



[13]

[14]

Schedule

UK-TYPE EXAMINATION CERTIFICATE No.

UL22UKEX2675 Rev. 0

[15]

Description of Product

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 PG36		
Minimum wall thickness of housing	Threaded hole, metal housing:	3mm	
	Threaded hole, plastic housing:	4mm	
	Through-hole, metal housing:	1mm	
	Through-hole, plastic housing:	2mm	
Operating temperature range	Normal:	-40 °C to +120 °C	
	LT type:	-60 °C to +120 °C	
	Variant with flat sealing:	-40 °C to +75 °C	
Ingress protection	IP66 / IP68 (5 bar, 30 mins) according to EN 60529		
Suited for equipment of device group II with the mechanical risk level	High		

Torque, service temperature and mechanical risk level, Type EX-KEM ****/****

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 12 (LT)(-)** (EADR 12/90)	M12x1.5	14	15
EX-E*VS 16 (LT)(-)** (EADR 16/90)	M16x1.5	18	15
EX-E*VS 20 (LT)(-)** (EADR 20/90)	M20x1.5	22	15
EX-E*VS 25 (LT)(-)** (EADR 25/90)	M25x1.5	28 (30*)	15
EX-E*VS 32 (LT)(-)** (EADR 32/90)	M32x1.5	35 (36*)	15
EX-E*VS 40 (LT)(-)** (EADR 40/90)	M40x1.5	44 (46*)	15
EX-E*VS 50 (LT)(-)** (EADR 50/90)	M50x1.5	54 (55*)	15
EX-E*VS 63 (LT)(-)** (EADR 63/90)	M63x1.5	67 (68*)	15
EX-*VS 7 (LT)(-)** (ADR 7/90)	PG7	22	12
EX-*VS 9 (LT)(-)** (ADR 9/90)	PG9	14	5
EX-*VS 11 (LT)(-)** (ADR 11/90)	PG11	17 (18*)	6
EX-*VS 13.5 (LT)(-)** (ADR 13.5/90)	PG13.5	20	6
EX-*VS 16 (LT)(-)** (ADR 16/90)	PG16	22	6.5
EX-*VS 21 (LT)(-)** (ADR 21/90)	PG21	24	6.5
EX-*VS 29 (LT)(-)** (ADR 29/90)	PG29	30	8
EX-*VS 36 (LT)(-)** (ADR 36/90)	PG36	40	8
EX-*VS-L 7 (LT)(-)** (ADR 7/90)	PG7	50	9
EX-*VS-L 9 (LT)(-)** (ADR 9/90)	PG9	14	15
EX-*VS-L 11 (LT)(-)** (ADR 11/90)	PG11	17 (18*)	15
EX-*VS-L 13.5 (LT)(-)** (ADR 13.5/90)	PG13.5	20	15
EX-*VS-L 16 (LT)(-)** (ADR 16/90)	PG16	22	15
EX-*VS-L 21 (LT)(-)** (ADR 21/90)	PG21	24	15
EX-*VS-L 29 (LT)(-)** (ADR 29/90)	PG29	30	15
EX-*VS-L 36 (LT)(-)** (ADR 36/90)	PG36	40	15

[13]

[14]

Schedule

UK-TYPE EXAMINATION CERTIFICATE No.

UL22UKEX2675 Rev. 0

Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12	13
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
Blank = PG connection thread according to DIN 40430
E = Metric connection thread according to EN 60423
- 4 = Specification of material main group
M = Brass
S = Stainless Steel
- 5 = Indication of product category
VS = Locking screw
- 6 = Specification of a variant of the length of the connection thread
Blank = Normal
L = Long
- 7 = Space
- 8 = Nominal size of 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
Blank = Normal
LT = Version for low temperature
- 11 = Specification of a special material design
Without specification for material main group "M" = Standard Product in Brass (2.0401 / CuZn39Pb / W614N / CZ 121, nickel-plated surface
Not specified for material group "S" = Standard Product in Stainless Steel 1.4305 (X8CrNiS 18 9 / AISI 303 / 303 S 22)
Cr – Brass, chrome-plated
BI = 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.g.
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.

Routine tests

None

[16] Test Report No. (associated with this certificate issue)

The test report no. is provided under item no. [8] on page 1 of this UK-Type Examination Certificate.

[17] Specific conditions of use:

None

[18] Conditions of certification:

None

[13]

[14]

Schedule

UK-TYPE EXAMINATION CERTIFICATE No.

UL22UKEX2675 Rev. 0

[19] Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

Additional information

The Products have in addition passed the tests for Ingress Protection to IP66 and IP68 in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in Annex III to UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

[20] Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Operating instructions	50086631004_BA EX-EMVS	-	2021-08
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M12	SN-005995-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M16	SN-005996-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M20	SN-005997-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M25	SN-005986-04	04	2022-02-25
Exe screw plug metal with hexagon metr. thread acc. to EN 60423, M32	SN-005998-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M40	SN-005999-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M50	SN-006000-01	01	2022-02-24
Ex e screw plug metal with hexagon metr. thread acc. to EN 60423, M63	SN-006001-01	01	2022-02-24