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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.: **UL22UKEX2677X Rev. 0**

[4] Product: **Cable gland type **SKEZ(-L)(-**) **(-**) (LT) (****)**

[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/ExTR13.0075/02.

[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: 2023-01-31

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



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Schedule

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- [15] Description of Product
 The cable gland type **SKEZ(-L)(-**) **(-**) (LT) (****) made from brass, stainless steel or polyamide. It is used for cables entering electrical equipment in the type of protection Increased Safety "eb" or Protection by Enclosure "tb". The cable entry is installed in enclosures with threaded holes and through-holes. The cable gland consists of an adapter with connection thread; polyamide sealing element, elastomeric sealing ring, cap nut with external clamping brackets and connection thread sealing rings. Accessories used are a blind plug of type BS** and a locknut. For using in EMC applications the cable glands can be delivered with different EMC inserts.

Technical data, material brass or stainless steel

Connection thread size	Metric, EN 60423: M12x1.5 to M63x1.5 Metric, DIN 89280: M16x1.5 to M56x2 NPT, ANSI B1.20.1: NPT 3/8" up to NPT 2" PG, DIN 40430: PG7 to PG48
Connection thread length	5 mm to 15 mm
Minimum wall thickness of housing	Threaded hole, metal housing: 3mm Threaded hole, plastic housing: 5mm Through-hole, metal housing: 1mm Through-hole, plastic housing: 2mm
Operating temperature range	Normal type: -40 °C to +75 °C LT type: -60 °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
Suited for cable diameters	Subject to nominal size, Between 6.5 mm and 48 mm

Technical data, material polyamide

Connection thread size	Metric, EN 60423: M20x1.5 M25x1.5 M32x1.5
Connection thread length	10 mm, 12 mm and 15 mm
Minimum wall thickness of housing	Threaded hole, metal housing: 3mm Threaded hole, plastic housing: 3mm Through-hole, metal housing: 1mm Through-hole, plastic housing: 2mm
Operating temperature range	-20 °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	Low
Suited for cable diameters	Subject to nominal size, Between 8 mm and 21 mm

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Nomenclature

*	*	S	K	E	Z	(-L)	(-**)		**	(-**)		(LT)		(****)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1 = Connection to thread type

E = Metric connection thread according to EN 60423
 N = NPT connection thread according to ANSI B1.20.1
 P = PG connection thread according to DIN 40430
 M = Metric connection thread according to DIN 89280

2 = Material

Blank = Plastic (only with position 1 = E)
 M = Brass
 S = Stainless Steel

3 = Name of cable gland system

S = WISKA Sprint System

4 = Name of product

K = Cable gland

5 = Name of area of application

E = Use in potentially explosive atmospheres

6 = Indication of external strain relief

Z = Cap nut with external strain relief device

7 = Optional specification of a special connection thread length

L = Long connection thread (only for threads E and P)

8 = Optional specification of the surface treatment or the material specification

Ni = Brass, nickel-plated (standard for threads E, N and P)
 Cr = Brass, chrome-plated
 Bl = Brass, blank (standard for thread M)
 4 = Stainless steel V4A
 e = Black cap nut for plastic for ignition protection type "e"
 i = Blue hat cap nut for plastic for ignition protection type "i"

9 = Space

10 = Nominal size of the connection thread, e.g.:

16 = Metric thread M16x1.5
 40 = Metric thread M40x1.5
 1/2 = NPT thread 1/2"
 1 1/4 = NPT thread 1 1/4"
 13.5 = PG thread 13.5
 etc.

11 = Specification of the sealing range of the cable glands with PG thread and the expansion glands (basis is the standard sealing range of the metric glands), not required for cable glands "Normal"-E, N and M, e.g.:

20 = Sealing range of the M20 cable gland
 40 = Sealing range of the M40 cable gland
 etc.

12 = Space

13 = Optional specification of a special operating temperature

Blank = Normal temperature range -40 °C to +75 °C
 LT = Low temperature range -60 °C to +75 °C

14 = Space

15 = Optional specification of EMC equipment (only for metallic cable glands)

EMV-Z = Equipped with earthing cones
 EMV-S = Equipped with spring contact change made of stainless steel
 EMV-C = Equipped with spring contact cage made of copper-beryllium

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Sealing range and torque, material brass or stainless steel

Sealing range / mm	Type of cable gland	Torque Cap nut and connection thread	Torque Screws of clamping brackets
6.5 to 10	E*SKEZ(-L) 16 (LT)(*****) E*SKEZ(-L) 12-16 (LT)(*****) N*SKEZ 3/8 (LT) (*****) P*SKEZ(-L) 7-16 (LT)(*****) P*SKEZ(-L) 9-16 (LT) (*****) P*SKEZ(-L) 11-16 (LT)(*****) M*SKEZ 16 (LT) (*****)	4 Nm	0.3 Nm
8 to 13	E*SKEZ(-L) 20 (LT) (*****) E*SKEZ(-L) 16-20 (LT)(*****) N*SKEZ 1/2 (LT) (*****) P*SKEZ(-L) 11-20 (LT)(*****) P*SKEZ(-L) 13,5-20 (LT)(*****) P*SKEZ(-L) 16-20 (LT) (*****) M*SKEZ 18 (LT) (*****)	8Nm	0.4 Nm
10 to 17	E*SKEZ(-L) 25 (LT) (*****) E*SKEZ(-L) 20-25 (LT)(*****) N*SKEZ 3/4 (LT) (*****) P*SKEZ(-L) 13,5-25 (LT)(*****) P*SKEZ(-L) 16-25 (LT)(*****) P*SKEZ(-L) 21-25 (LT)(*****) M*SKEZ 24 (LT) (*****)	10 Nm	0.4 Nm
16 to 21	E*SKEZ(-L) 32 (LT)(*****) E*SKEZ(-L) 25-32 (LT) (*****) N*SKEZ 1 (LT) (*****) P*SKEZ(-L) 21-32 (LT) (*****) M*SKEZ 30 (LT)(*****)	20Nm	0.5 Nm
18 to 28	E*SKEZ(-L) 40 (LT)(*****) E*SKEZ(-L) 32-40 (LT) (*****) N*SKEZ 1 1/4 (LT)(*****) P*SKEZ(-L) 29-40 (LT)(*****) M*SKEZ 36 (LT) (*****)	20 Nm	0.5 Nm
22 to 35	E*SKEZ(-L) 50 (LT) (*****) E*SKEZ(-L) 40-50 (LT) (*****) N*SKEZ 1 1/2 (LT)(*****) P*SKEZ(-L) 36-50 (LT)(*****) P*SKEZ(-L) 42-50 (LT) (*****) P*SKEZ(-L) 21-25 (LT)(*****) M*SKEZ 45 (LT) (*****)	30Nm	0.6 Nm
34 to 48	E*SKEZ(-L) 63 (LT)(*****) E*SKEZ(-L) 50-63 (LT) (*****) N*SKEZ 2 (LT) (*****) P*SKEZ(-L) 48-63 (LT) (*****) M*SKEZ 56 (LT) (*****)	40 Nm	0.6Nm

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Sealing range and torque, material polyamide

Sealing range/ mm	Type of cable gland	Torque Cap nut and connection thread	Torque Screws of clamping brackets
8 to 13	ESKEZ(-L)(-**) 20	Cap nut 1.5 Nm Con. thread. 2.3 Nm	0.4 Nm
10 to 17	ESKEZ(-L)(-**) 25	Cap nut 2.0 Nm Con. thread. 3.0 Nm	0.4 Nm
16 to 21	ESKEZ(-L)(-**) 32	Cap nut 3.0 Nm Con. thread. 4.5 Nm	0.5 Nm

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.

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Specific conditions of use:

- Degree of protection is ensured only if the seals and cable entries are properly fitted. The manufacturer's instructions must be followed.
- Types suitable for a "low" risk of mechanical danger shall be mounted in such a way that they are mechanically protected against impact force.

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Conditions of certification:

None

[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.

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[20] Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Description for IECEx PTB 13.0052X Issue No. 2 and EGB PTB 09 ATEX 1049X Issue: 02	Description EMSKEZ_Iss02_IECEX_Rev0 0	00	2022-02-23
Operating instructions	50103791003 BA E#SKEZ	-	2021-08
Ex cap nut M20 for external strain relief	SN-005896-02	02	2022-11-23
Ex cap nut M25 for external strain relief	SN-005897-02	02	2022-11-23
Ex cap nut M32 for external strain relief	SN-005898-02	02	2022-11-23
Drawing "Klemmbacken- Verschraubung "e""	10063071-01	17/231	2017-09-06
Drawing "Hutmutter mit Klemmbacken"	30100671-02	17/231	2017-09-06
Cap nut M16 with clamping jaws for screwed connections - "e"	SN-009174-00	-	2022-11-14
Cap nut M20 with clamping jaws for screwed connections - "e"	SN-009181-00	-	2022-11-14
Cap nut M25 with clamping jaws for screwed connections - "e"	SN-009182-00	-	2022-11-14
Cap nut M32 with clamping jaws for screwed connections - "e"	SN-009183-00	-	2022-11-14
Cap nut M40 with clamping jaws for screwed connections - "e"	SN-009184-00	-	2022-11-14
Cap nut M50 with clamping jaws for screwed connections - "e"	SN-009185-00	-	2022-11-14
Cap nut M63 with clamping jaws for screwed connections - "e"	SN-009186-00	-	2022-11-14