

[1]

# EU-TYPE EXAMINATION CERTIFICATE

- [2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- [3] EU-Type Examination Certificate Number: **Presafe 17 ATEX 11454X** **Issue 5**
- [4] Product: **Cable Glands for non-armoured & Braided Cables (OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH)**
- [5] Manufacturer: **OSCG Co., Ltd.**
- [6] Address: **# 1242, Nakdong-Daero, Sasang-Gu, Busan, Korea**
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in item 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-7:2015/A1:2018 & EN 60079-31:2014**
- Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.
- [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 EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive 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 db IIC Gb**  
 **II 2 G Ex eb IIC Gb**  
**II 2 D Ex tb IIIC Db**



Date of issue:  
2021-03-22



Bjørn Spongsveen  
For DNV Product Assurance AS  
The Certificate has been digitally signed.  
See [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures) for info

[13]

**Schedule**

 [14] **EU-Type Examination Certificate No:**

Presafe 17 ATEX 11454X

Issue 5

 [15] **Description of Product**

This certificate covers the range of cable glands made of brass or stainless steel for the use with circular braided and non-armoured cables.

OS-A2F-U, Single compression glands

OS-A2F-UE, Single compression glands, marked as Ex "eb"

OS-A2F-UD, Double compression glands

OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH are single compression glands, same as OS-A2F-U, but with additional provision to connect conduits for protection of cables.

**Type designation**

OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH

Type	Entry		Diameter of outer sheath mm	
	Metric	NPT	Min	Max
16	M12x1.5 M16x1.5 M20x1.5	½"	3	7
16X	M16x1.5 M20x1.5	½" or ¾"	5	10.3
20S	M20x1.5 M25x1.5	½" or ¾"	6	10.5
20	M20x1.5 M25x1.5	½" or ¾"	9	15.3
25	M25x1.5	¾" or 1"	13	20
32	M32x1.5	1" or 1 ¼"	17	26.5
40	M40x1.5	1 ¼" or 1 ½"	22	32
50	M50x1.5	1 ¼" or 2"	30	42
63	M63x1.5	2" or 2 ½"	39	51
63X	M63x1.5	2 ½"	46	55
75	M75x1.5/2	2 ½" or 3"	54	61
75X	M75x1.5/2	3"	58	68
90	M90x1.5/2	3" or 3 ½"	66	78
100	M100x1.5/2	3 ½" or 4"	77	89
115	M115x1.5/2	4"	88	101

For Ex d protection type on a specific request, PF threads, JIS B0202 may be used. The previous edition of standard from which the thread type requirements were applied from IEC 60079-1:2004.

This allowance for the use of "other external thread types" is for the manufacture of replacement entry devices for equipment in existing installations only, that incorporate internal thread types that are no longer permitted by the current edition of EN 60079-1. (EN 60079-1, Ed.7, C.2.2.1 Threaded joints, Note 1). Sizes are described in the descriptive documents.

**Electrical Data: N/A**

**Degrees of protection (IP Code):**

IP 66/67 according to EN 60079-0 & EN 60529 &

IP X8 according to EN 60529, 5 bar 48 hours

**Ambient temperature:**  
-60°C to +110°C

**Routine tests:** N/A

[16] **Report No.:** 202963  
**Project No.:** PRJN-202963-2020-PA-NOR

[17] **Specific Conditions of Use**

Additional clamping of cable shall be installed to ensure that pulling and twisting is not transmitted to the terminal.

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] **Drawings and documents**

Number	Title	Rev.	Date
OS-A2F-U	Document List for OS-A2F-U Series	4	2021-01-15
OS-A2F-UE	Document List for OS-A2F-UE Series	4	2021-01-15
OS-A2F-UD	Document List for OS-A2F-UD Series	4	2021-01-15
OS-A2F-UEP	Document List for OS-A2F-UEP Series	4	2021-01-15
OS-A2F-UF	Document List for OS-A2F-UF	4	2021-01-15
OS-A2F-UMH	Document List for OS-A2F-UMH	4	2021-01-15

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2018-01-25	D0001365 Issue 2
1	Inclusion of PF threads	2018-05-16	D0001365 Issue 3
2	Inclusion of A2F with M12 size with minimum 3 mm cable diameter	2019-11-22	D0001365-04
3	To include IP X8 assessment	2020-01-07	D0001365-05
4	Assessment for the new size A2F-20S & IEC 60079-0 Ed.7	2021-03-17	202963
5	Administrative change corrected type error in the standard list	2021-03-22	202963

END OF CERTIFICATE