

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 23 ATEX 60022X** **Issue 1**

[4] Product: **Cable Glands for non-armoured Cables
(OS-A2F-U, OS-A2F-UE, OS-A2F-UD, OS-A2F-UEP, OS-A2F-UF, OS-A2F-UMH, OS-A2F-UFN)**

[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 and EN 60079-1:2014, EN IEC 60079-7:2015/A1:2018 and 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" listed under item 17 of 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:
2024-02-09



Ståle Sandstad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info



[13]

Schedule

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

DNV 23 ATEX 60022X

Issue 1

 [15] **Description of Product**

This certificate covers the range of cable glands made of brass or stainless steel for the use with 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.

OS-A2F-UFN is similar to OS-A2F-UF type construction, and both have a female threaded component. The difference between OS-A2F-UF and OS-A2F-UFN is OS-A2F-UFN is designed to screw by the female threaded component itself, whereas OS-A2F-UF is designed to screw by the whole female threaded component.

Type designation

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

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 ½" 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
80	M80x1.5/2	3" or 3 ½"	66	73
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.

The change of certificate number (Presafe 17 ATEX 11454X) is due to the change of the certification body's name from DNV Presafe AS to DNV Product Assurance AS, and this change is now applied when update the standards to latest standards. Therefore, the product with previous marking of Presafe 17 ATEX 11454X and new marking DNV 23 ATEX 60022X are allowed to be used together with service temperature -60°C to 110°C.

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.:** 428012

[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**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
OS-A2F-U-01	Document List for OS-A2F-U Series	6	2023.11.16
OS-A2F-UE-01	Document List for OS-A2F-UE Series	6	2023.11.16
OS-A2F-UD-01	Document List for OS-A2F-UD Series	6	2023.11.16
OS-A2F-UEP-01	Document List for OS-A2F-UEP Series	6	2023.11.16
OS-A2F-UF-01	Document List for OS-A2F-UF series	6	2023.11.16
OS-A2F-UMH-01	Document List for OS-A2F-UMH series	6	2023.11.16
OS-A2F-UFN-01	Document List for OS-A2F-UFN series	1	2023.11.16

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue. Replaces PRESAFE 17 ATEX 11454X. New Series OS-A2F-UFN added.	2023-07-10	428012
1	Inclusion of new size M80, Typo error in type designation tabulation is updated from 1¼"to 1½" for size 50 & removed word "braided" under equipment and equipment description.	2024-02-09	428012

END OF CERTIFICATE

