

[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: **Presafe 21 ATEX 28461X** **Issue 1**

[4] Product: **Blanking element**

[5] Manufacturer: **Highlight Secure AS**

[6] Address: **Nordstranda 923
6143 Fiskå
Norway**

[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 60079-0:2018 , 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" 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 eb IIC Gb**
II 2 D Ex tb IIIC Db

Date of issue:
2024-10-17



Asle Kaastad
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:** Presafe 21 ATEX 28461X Issue 1

[15] **Description of Product**

This certificate covers Highlight Secure AS blanking element made of brass with a thread size of M25x1.5 & M20X 1.5 and belonging brass nut. Also, there is an alternate version with nickel plated for M25 plug. It includes two different O-rings, one made of Viton, and one made of silicone with two different operating temperatures for M25 plug. The M20 plug includes only silicone O-ring and comes only in nickel plated brass. The blanking element includes a hank for connection to a safety wire. It is only the Ex-requirements for blanking elements that has been assessed and tested in this certificate.

Type designation

Safety Plug M25, SP25 with green Viton O-ring

Safety Plug M25/ M20, SP25/ SP20 with red Silicone O-ring

The plug comes in two length 12 and 17mm, SP25/12, SP25/17, SP20/12 and SP20/17

Degrees of protection (IP Code)

IP66/67 according to IEC 60079-0

[16] **Report No.:** 208299 rev 1
Project No.: PRJN-208299-2020-PA-NOR

[17] **Specific Conditions of Use**

- Operating temperature with the Green, Viton O-ring is -20°C to +135°C
- Operating temperature with the Red, Silicone O-ring is -40°C to +135°C
- The blanking element has to be mounted according to its manual and the enclosure or other suitable devices instructions.
- Clearance and creepage distances according to IEC 60079-7 has to be checked after installation, with respect to the blanking elements length into the enclosure.
- If mounted in non-metallic enclosure, special caution to earthing has to be taken.

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

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
HS-A-001	Safety plug SP25/17 (VP 572-16)	E	2016-01-15
HS-A-001 NP	Safety plug SP25/17 (VP 572-16)	A	2023-12-15
HS-A-002	Merketrinse- SP25	C	2021-02-23
HS-A-002-bat	Merketrinse- SP25	A	2021-02-23
HS-A-006	Safety plug SP25/12 (VP 573-16)	E	2016-01-15
HS-A-006 NP	Safety plug SP25/12 (VP 573-16)	A	2023-12-15
HS-A-007	Safety Plug SP20/17 (VP-001060)	B	2023-11-21
HS-A-008	Safety Plug SP20/12 (VP-001059)	B	2023-11-21
HS-A-009	Merketype SP20 sikringsplugg	A	2024-01-06
HS-A-010	Merketype-sikringsplugg sp20&sp25-bat	A	2024-01-12

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2021-03-05	208299
1	Inclusion of new size nickel plated M20 plug with silicone ring and nickel plated for M25 plug as an alternate.	2024-10-17	208299 rev 1

END OF CERTIFICATE