



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX PRE 21.0017X	Page 1 of 5	<u>Certificate history:</u> Issue 0 (2021-03-16)
Status:	Current	Issue No: 1	
Date of Issue:	2024-10-17		
Applicant:	Highlight Secure AS Nordstranda 923 Fiskå 6143 Norway		
Equipment:	Blanking element		
Optional accessory:	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		
Type of Protection:	Ex eb & Ex tb		
Marking:	Ex eb IIC Gb Ex tb IIIC Db		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **Highlight Secure AS**
Nordstranda 923
Fiskå 6143
Norway

Manufacturing locations: **VP metall AS**
Raufoss Industripark bygn. 53
Raufoss N-2830
Norway

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[NO/PRE/ExTR21.0016/00](#)

[NO/PRE/ExTR21.0016/01](#)

Quality Assessment Report:

[NO/DNV/QAR21.0002/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Operating temperature with the Red, Silicone O-ring is -40°C to +135°C
- Operating temperature of the Green, Viton O-ring is -20°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



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Equipment (continued):

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	Merke-trinse- SP25	C	2021-02-23
HS-A-002-bat	Merke-trinse- 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	Merke-type SP20 sikringsplugg	A	2024-01-06
HS-A-010	Merke-type-sikringsplugg sp20&sp25-bat	A	2024-01-12



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Inclusion of new size nickel plated M20 plug with silicone ring and nickel plated for M25 plug as an alternate.