


[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 14 ATEX 5555X** **Issue 2**
- [4] Product: **Loudspeaker 8494**
- [5] Manufacturer: **R.Stahl Schaltgeräte GmbH**
- [6] Address: **Am Bahnhof 30, D-74638 Waldenburg
Germany**
- [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 60079-18: 2015/A1: 2017 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 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 eb mb IIB+H₂ T4 Gb
 **II 2 G Ex db eb mb IIC T4 Gb**
II 2 D Ex tb IIIC T105°C Db

Date of issue:
2021-05-07



Bjørn Spongsveen
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 14 ATEX 5555X** Issue 2

[15] **Description of Product**

This Certificate covers a loudspeaker. For IIC sintered metal of stainless steel, type SIKA-R 200 is used. For IIB +H₂ sintered metal of bronze, type SIKA-B 200 is used.


Type designation


Type

8494 / B – S – .. – .. – .. – ..
8494 / B – L – .. – .. – .. – ..

8494 / C – S – .. – .. – .. – ..
8494 / C – L – .. – .. – .. – ..

Marking

 II 2G Ex db eb mb IIB+H₂ T4 Gb
II 2D Ex tb IIIC T105°C Db

 II 2G Ex db eb mb IIC T4 Gb
II 2D Ex tb IIIC T105°C Db

Electrical / Technical Data

max. input voltage: 100 V
max. input current: 0,25 A
Frequency range: 150 ... 20000 Hz
Ambient temperature: -50 °C ≤ T_a ≤ +60 °C

Variants

1. «B & C» in type designation indicates gas group IIB+H₂ or IIC.
2. With encapsulated e-chamber and permanently connected cable.
3. «L & S» in type designation indicates long flare or short flare.

Degrees of protection (IP Code)

IP66 and IP67 (for e-chamber) according to IEC 60529 Edition 2.1.

Routine tests

Visual inspection according to EN 60079-18 clause 9.1
Dielectric strength test according to IEC/ EN 60079-7 clause 7.1 respective IEC/ EN 60079-18 clause 9.2.

[16] **Report No.:** 223326

[17] **Specific Conditions of Use**

The Loudspeaker shall only be installed in areas where there is a low risk of impact.

Notes for manufacture, installation and operation:

When the bracket of the loudspeaker is mounted onto the construction, the bracket must be connected to earth potential through the construction.

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

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
8494 0 000 004 0 App. 1	Appendix 1 to description 8494 0 000 004	0	2021-04-15

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2015-01-16	D0001599
1	<ul style="list-style-type: none"> New variants added The EN 60079-0: 2009 is updated to EN 60079-0: 2012 <p>The ambient temp range is extended from $-50^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ to $-50^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$</p>	2015-10-26	D0001599-01
2	Updated to latest edition of standards	2021-05-07	223326

END OF CERTIFICATE

