DNV·GL

EU-TYPE EXAMINATION CERTIFICATE

[2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

[3] EU-Type Examination Certificate Number: **Presafe 19 ATEX 09412X** **Issue 0**

[4] Product: **Signal Splitter Board**

[5] Manufacturer: **Zenitel Norway AS**

[6] Address: **Bromsveien 17**
3183 Horten
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 GL Presafe AS, notified body number 2460, in accordance with Article 17 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 section 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013 and EN 60079-11: 2012

[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. 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:

Ex II 2 G Ex ia IIB T6 Gb

Date of issue:
2019-12-11

NORSK AKKREDITERING
PROD 021

Asle Kaastad
For DNV GL Presafe AS
The Certificate has been digitally signed.
See www.dnvgl.com/digitalsignatures for info

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** Presafe 19 ATEX 09412X Issue 0

[15] **Description of Product**
The equipment takes the input from an Ex-certified microphone and splits it into two outputs, which are in turn connected to two P.A. modules through I.S. barriers. The input and both outputs are galvanically separated.

Type designation
92100-024

Electrical Safety Parameters
Ui = 10 VAC, Ii = 200 mA, Pi = 1 W, Ci = 5 nF, Li = 0 mH

Degrees of protection (IP Code)
IP 20 according to EN 60529

Ambient temperature:
-20°C to +40°C

Routine tests
N/A

[16] **Report No**.: 167734

[17] **Specific Conditions of Use**
The signal splitter must be used with certified safety barriers.
The splitter board must be installed in a certified enclosure or in an enclosure that fulfils the requirements of EN 60079-11:2012.
The installation must be conducted in such a manner that the creepage and clearance distance between the intrinsically safe circuit and earthed metal parts are at least 3 mm.
The creepage and clearance distance between the input and the output terminals of the board and the distance to other intrinsically safe circuits shall be at least 6 mm.
The separation between any non-intrinsically safe circuit mounted in the same enclosure and the intrinsically safe circuit shall be at least 50 mm or a separation according to EN 60079-11:2012 clause 6.3.

[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
92100-024-DL	I.S. Descriptive Document List	04	21.10.2019
92100-024-EC	External Connection	03	18.10.2019
92100-024-LD	Label drawing	09	27.09.2019
92100-024-LO	PCB Layout	04	27.09.2019
92100-024-CD	Schematics	04	18.10.2019
92100-024	PCB Gerber set	1	--
BoM 12668	Bill of Material	05	01.11.2013
92100-024-AD	Assembly drawing	04	27.09.2019

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Prime Certificate released	2003-10-30	12005
1	Change of transformers and PCB	2007-04-03	82987
2	Update to new standards, EN 60079-0: 2009, EN 60079-11:	2009-12-21	135719
3	Update to new standards, EN 60079-0: 2012, EN 60079-11: and applicant name to Jotron AS	2013-11-06	239659
4	New issue of Presafe certificate to replace Nemko 03ATEX1503X. Update manufacturer name and address	2019-12-11	167734

END OF CERTIFICATE

DNV GL Presafe AS, Veritasveien 3, 1363 Høvik, Norway, Tel +47 67 57 88 00, www.dnvgl.com