

EU Type Examination Certificate

This is to certify that:

Phonak Communications AG
Herrenschwandweg 4
3280 Murten
Switzerland

Holds Certificate Number:

CE 727813

In respect of:

**Hearing protectors - Custom moulded ear-plugs to EN 352-2:2002.
Various models, see continuation sheets for details.**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Drs. Dave Hagenaaars, Managing Director

First Issued: 2021-02-26
Latest Issue: 2021-02-26

Effective Date: 2021-02-26
Expiry Date: 2026-02-26

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EU Type Examination Certificate

No. CE 727813

Product Specification:

Product Type:	Hearing protectors – Level-dependent ear-plugs
Models:	Serenity SPC (plus filter ID code see page 3/4) – One active speaker and boom microphone. Serenity SP (plus filter ID code see page 3/4) – No communications equipment.
Product description:	The Serenity SPC range consists of a range of custom moulded ear-plugs designed for protection against noise associated with industrial environments. The range includes versions that can incorporate components to enable the ear-plugs to form part of a mobile phone based communications system. Any Certification requirements of the communication systems are not referenced on this Certificate. Each version of the ear-plugs is available with one of three possible levels of attenuation dependent upon the filter insert fitted. Each version can also be supplied with or without a neck loop to connect the ear-plugs.
Technical specifications:	EN 352-2:2002 – Hearing protectors. Safety requirements and testing. Ear-plugs
Classification	Custom moulded ear-plugs

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Product Specification (continued)

Serenity ear-plugs are available with one of three possible levels of attenuation dependent upon the filter insert fitted:

Filter ID Code: 110WH (XX1)

Sound Attenuation values:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	23.1	25.2	26.1	30.1	34.3	40.1	37.9
Standard Deviation Sf (dB)	8.6	7.1	5.7	3.8	3.0	6.4	6.1
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	14.5	18.1	20.4	26.3	31.3	33.7	31.8

High, Medium and Low Frequency Attenuation Value and Single Number Rating

High Frequency Attenuation Value (H)	31 dB
Medium Frequency Attenuation Value (M)	24 dB
Low Frequency Attenuation Value (L)	20 dB
Single Number Rating (SRN)	28 dB

Filter ID Code: 105OR (XX2)

Sound Attenuation values:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	20.3	22.1	23.8	27.8	31.4	37.9	37.2
Standard Deviation Sf (dB)	6.6	7.0	8.1	6.6	5.9	7.4	6.7
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	13.7	15.1	15.7	21.2	25.5	30.5	30.5

High, Medium and Low Frequency Attenuation Value and Single Number Rating

High Frequency Attenuation Value (H)	26 dB
Medium Frequency Attenuation Value (M)	20 dB
Low Frequency Attenuation Value (L)	17 dB
Single Number Rating (SRN)	24 dB

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Product Specification (continued)

Filter ID Code: 100YE (XX3)

Sound Attenuation values:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	13.8	17.8	22.9	28.3	32.6	38.6	39.1
Standard Deviation Sf (dB)	4.0	3.7	4.8	4.2	3.4	4.9	3.3
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	9.8	14.1	18.1	24.1	29.2	33.7	35.8

High, Medium and Low Frequency Attenuation Value and Single Number Rating

High Frequency Attenuation Value (H)	30 dB
Medium Frequency Attenuation Value (M)	22 dB
Low Frequency Attenuation Value (L)	16 dB
Single Number Rating (SRN)	25 dB

Certificate Administration Details

Technical File reference: Technical File Serenity SPC Range.

Certificate Amendment Record:

Issue date	Comments	BSI Review Number
February 2021	First issue under PPE Regulation (EU) 2016/425.	2797:21:3174415

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D) Certificate PZT 3252001.

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