

EU Type Examination Certificate

This is to certify that:

Phonak Communications AG
Herrenschwandweg 4
3280 Murten
Switzerland

Holds Certificate Number:

CE 727808

In respect of:

**Hearing protectors: level-dependent ear-plugs to EN 352-7:2002.
See Continuation sheets for product 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: 2021-02-09

Latest Issue: 2021-02-09

Effective Date: 2021-02-09

Expiry Date: 2026-02-09

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Product Specification:

Product Type:	Hearing protectors – Level-dependent ear-plugs
Models:	Serenity DP – Basic system. Serenity DPC Radio – For use with portable radios – boom microphone. Primero DPC – For use with portable radios –in-ear microphone.
Product description:	The Serenity DPC models and the Primero DPC are a range of dynamic level-dependent ear-plugs designed for protection against noise associated with industrial environments. All models are available as custom moulded ear-plugs or as ear-plugs that incorporate a generic shell fitted silicone ear tips. The overall range includes versions including a model incorporating a boom microphone and a model incorporating an in-ear microphone. Any Certification requirements of the communication systems are not referenced on this Certificate.
Technical specifications:	EN 352-2:2002 – Hearing protectors. Safety requirements and testing. Ear-plugs EN 352-7:2002 – Hearing protectors. Safety requirements and testing. Level-dependent ear-plugs.
Classification	Custom moulded ear-plugs

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Product Specification (continued)

Moulded ear-plugs version:

Sound Attenuation values – in passive mode:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	21.9	21.9	21.1	26.7	32.7	29.8	31.7
Standard Deviation Sf (dB)	5.2	5.2	5.8	4.0	3.5	3.4	4.7
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	16.7	16.7	15.3	22.8	29.2	26.4	27.0

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

	Attenuation Values	Criterion Level
High Frequency Attenuation Value (H)	27 dB	108.42
Medium Frequency Attenuation Value (M)	20 dB	103.80
Low Frequency Attenuation Value (L)	18 dB	98.85
Single Number Rating (SRN)	24 dB	

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Product Specification (continued)

Generic shell – Foam ear tip variant:

Sound Attenuation values – in passive mode:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	25.0	23.4	23.1	26.4	29.7	28.3	31.6
Standard Deviation Sf (dB)	3.9	4.7	4.3	4.9	2.2	2.7	3.8
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	21.1	18.7	18.8	21.5	27.5	25.6	27.8

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

	Attenuation Values	Criterion Level
High Frequency Attenuation Value (H)	26 dB	106.0
Medium Frequency Attenuation Value (M)	22 dB	105.5
Low Frequency Attenuation Value (L)	20 dB	103.0
Single Number Rating (SRN)	25 dB	

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Product Specification (continued)

Generic shell – Silicone ear tip variant:

Sound Attenuation values – in passive mode:

Test Frequency f (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation Mf (dB)	23.4	21.4	20.5	22.7	27.0	23.1	26.4
Standard Deviation Sf (dB)	3.6	4.2	2.5	3.5	3.0	4.2	4.8
Assumed Protection Value APVf (dB) (APVf = Mf-Sf)	19.8	17.2	18.0	19.2	24.0	18.9	21.6

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

	Attenuation Values	Criterion Level
High Frequency Attenuation Value (H)	21 dB	102.0
Medium Frequency Attenuation Value (M)	19 dB	103.5
Low Frequency Attenuation Value (L)	19 dB	103.0
Single Number Rating (SRN)	22 dB	

Certificate Administration Details

Technical File reference: Level Dependant Ear-plugs, Technical File Serenity DPC Range.

Certificate Amendment Record:

Issue date	Comments	BSI Review Number
February 2021	First issue under PPE Regulation (EU) 2016/425.	2797:21:3174406

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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