



Certificate of
constancy of performance
0560-CPR-182190000
Issue: 04



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|--------------|------------|----------|-------------------------|
| Issued | 28-07-2023 | Replaces | 0560-CPR-182190000 / 03 |
| First issued | 16-12-2019 | Page | 1 / 5 |

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

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|---|---------------------------------------|
| Product description: | Public Address and Voice Alarm System |
| Trademark: | Bosch |
| Type designation: | PRAESENSA |
| Conditions and essential characteristics: | See Annex 1 |
| Variants: | See Annex 1 |

placed on the market under the name or trademark of:

| | |
|---------------------------|-----------------------------|
| Name of the manufacturer: | Bosch Security Systems B.V. |
| Address: | Torenallee 49 |
| City: | 5617 BA EINDHOVEN |
| Country: | Netherlands |

and produced in the manufacturing plant(s):

| | |
|----------------------|-----------------------------|
| Manufacturing plant: | Bosch Security Systems B.V. |
| Address: | Torenallee 49 |
| City: | 5617 BA EINDHOVEN |
| Country: | Netherlands |

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 54-16:2008
EN 54-4:1997
EN 54-4:1997/A1:2002
EN 54-4:1997/A2:2006

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the **constancy of performance of the construction product**

This certificate was first issued on 16-12-2019 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Ron Scheepers
Managing director

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Kiwa FSS Products
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<https://www.kiwa.com/nl/en/specials/fire-safety-and-security>

Notified Body No. 0063



Remarks and observations

The following conditions are applicable:

| Essential characteristics of EN 54-16: | Clauses: | Performance |
|--|-----------------------------------|--------------------|
| Performance under fire condition | 4, 5, 7, 10, 12, 16.5, 16.6, 16.7 | Pass |
| Response delay (response time to fires) | 7.1, 12 | Pass |
| Operational reliability | 4, 5, 6, 7, 8, 11, 12, 13, 14 | Pass |
| Durability of operational reliability temperature resistance | 16.4, 16.8 | Pass |
| Durability of operational reliability Impact and vibration resistance | 16.11, 16.12, 16.13 | Pass |
| Durability of operational reliability electrical stability | 16.14, 16.15 | Pass |
| Durability of operational reliability humidity resistance | 16.9, 16.10 | Pass |

Implemented optional functions with requirements (per clause of EN 54-16):

- 7.3 Audible warning
- 7.5 Phased evacuation
- 7.6.2 Manual silencing of the voice alarm condition
- 7.7.2 Manual reset of the voice alarm condition
- 7.8 Output to fire alarm devices
- 7.9 Voice alarm condition output
- 8.3 Indication of faults related to the transmission path to the CIE
- 8.4 Indication of fault related to voice alarm zones
- 10 Voice alarm manual control
- 11 Interface to external control device(s)
- 12 Emergency microphone(s)
- 13.14 Redundant power amplifiers

| Essential characteristics of EN 54-4: | Clauses: | Performance |
|--|-----------------|--------------------|
| Performance of power supply | 4, 5, 6 | Pass |
| Operational reliability | 4, 5, 6, 7, 8 | Pass |
| Durability of operational reliability temperature resistance | 9.5 | Pass |
| Durability of operational reliability impact and vibration resistance | 9.7, 9.8, 9.15 | Pass |
| Durability of operational reliability electrical stability | 9.9 to 9.13 | Pass |
| Durability of operational reliability humidity resistance | 9.6, 9.14 | Pass |

Ambient noise sensor (PRA-ANS) is an accessory which can be connected to the PRAESENSA Public Address and Voice Alarm System.

The PRA-ANS does not affect the EN 54-16 compliance.

The product as described in this certificate includes the following type designations

- Product description: Public Address and Voice Alarm System
- Trademark: Bosch
- Type designation: PRAESENSA

- Product description: System controller, Large
- Trademark: Bosch
- Type designation: PRA-SCL
- Hardware version: 01/xx

| | |
|------------------------|---|
| - Software version: | 1.xx |
| - Product description: | Amplifier, 600W 4-channel |
| - Trademark: | Bosch |
| - Type designation: | PRA-AD604 |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | Amplifier, 600W 8-channel |
| - Trademark: | Bosch |
| - Type designation: | PRA-AD608 |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | End-of-line device |
| - Trademark: | Bosch |
| - Type designation: | PRA-EOL |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | Multifunction power supply, large |
| - Trademark: | Bosch |
| - Type designation: | PRA-MPS3 |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | Desktop LCD call station |
| - Trademark: | Bosch |
| - Type designation: | PRA-CSLD |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | Wallmount LCD call station |
| - Trademark: | Bosch |
| - Type designation: | PRA-CSLW |
| - Hardware version: | 01/xx, 02/xx |
| - Software version: | 1.xx |
| - Product description: | Call station extension |
| - Trademark: | Bosch |
| - Type designation: | PRA-CSE |
| - Hardware version: | 01/xx |
| - Software version: | 1.xx |
| - Product description: | Ethernet switch, 8xPoE, 2xSFP |
| - Trademark: | Advantech |
| - Type designation: | EKI-7710G-2CP (Bosch Order Code: PRA-ES8P2S) |
| - Hardware version: | Rev. 04 |
| - Software version: | 1.01.xx |
| - Product description: | Fiber transceiver, multimode |
| - Trademark: | Advantech |
| - Type designation: | SFP-GSX/LCI-AE (Bosch Order Code: PRA-SFPSX) |
| - Hardware version: | Rev. A0 |
| - Software version: | N/A |
| - Product description: | Fiber transceiver, single mode |
| - Trademark: | Advantech |
| - Type designation: | SFP-GLX/LCI-10E (Bosch Order Code: PRA-SFPLX) |
| - Hardware version: | Rev. A0 |

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- Software version: N/A

 - Product description: Line isolator drive
 - Trademark: Hacousto Holland B.V.
 - Type designation: Loop Drive Booster (Bosch Order Code: PRA-LID)
 - Hardware version: R2
 - Software version: V5

 - Product description: Line isolator module
 - Trademark: Hacousto Holland B.V.
 - Type designation: Fault Isolator Module (Bosch Order Code: PRA-LIM)
 - Hardware version: HAC3001eV01R01, HAC3001fV01R01
 - Software version: FIMv01r09, FIMv01r10B1

 - Product description: Network synchronizer enterprise
 - Trademark: Advantech
 - Type designation: ARK1123 C-CTOS-ENNLBO02-M4 (Bosch Order Code: OMN-ARNIE)
 - Hardware version: 00/xx
 - Software version: 8.4x, 9.xx

 - Product description: Network synchronizer single
 - Trademark: Advantech
 - Type designation: ARK1123 C-CTOS-ENNLBO02-M5 (Bosch Order Code: OMN-ARNIS)
 - Hardware version: 00/xx
 - Software version: 8.4x, 9.xx

 - Product description: Industrial ethernet switch
 - Trademark: CISCO
 - Type designation: IE-5000-12S12P-10G
 - Hardware version: V06
 - Software version: 15.2

 - Product description: Low Voltage DC Power Source for IE-5000
 - Trademark: CISCO
 - Type designation: PWR-RGD-LOW-DC-H
 - Hardware version: V01
 - Software version: N/A

 - Product description: 10G SFP Transceiver Module
 - Trademark: CISCO
 - Type designation: SFP-10G-LR
 - Hardware version: V02
 - Software version: N/A

 - Product description: 1G SFP Transceiver Module
 - Trademark: CISCO
 - Type designation: GLC-LX-SM-RGD
 - Hardware version: V02
 - Software version: N/A

 - Product description: DC-to-DC converter
 - Trademark: Mean Well
 - Type designation: DDR-60L-12
 - Hardware version: N/A
 - Software version: N/A

 - Product description: System Controller, Small
 - Trademark: Bosch
 - Type designation: PRA-SCS
 - Hardware version: 01/xx

- Software version: 1.xx

- Product description: Fist microphone, long cable
- Trademark: Bosch
- Type designation: PRA-FML
- Hardware version: 01/xx
- Software version: N/A

- Product description: Control interface module, 16x8
- Trademark: Bosch
- Type designation: PRA-IM16C8
- Hardware version: 01/xx
- Software version: 1.xx

- Product description: Loudspeaker DC blocking board
- Trademark: Bosch
- Type designation: PM1-LISD
- Hardware version: 01/xx
- Software version: N/A