

# Declaration of Manufacturer

“Photobiological safety of photoelectric sensors”

We manufacturer

**CARLO GAVAZZI INDUSTRI A/S,**  
Over Hadstenevej 40, DK-8370 Hadsten, Denmark. Tel. +45 89606100

declare that the photoelectric sensor with light from non-coherent beam sources (such as LEDs)

**PA12BNT20**

is evaluated in accordance with, and meet the requirement of the international standard.

**EN 62471:2008 (IEC 62471:2006, modified)**  
**Photobiological safety of lamps and lamp systems.**

- |                                     |                              |  |
|-------------------------------------|------------------------------|--|
| <input checked="" type="checkbox"/> | Exempt group:                | In the context of criteria set by the standard, the lamp (sensor) does not present any photobiological risk.               |
| <input type="checkbox"/>            | Risk group 1 (Low-Risk)      | The lamp (Sensor) does not present any risk relating to the user exhibiting normal behavior during use.                    |
| <input type="checkbox"/>            | Risk Group 2 (Moderate-Risk) | The lamp (Sensor) does not present any risk relating to aversion response from bright light sources or thermal discomfort. |
| <input type="checkbox"/>            | Risk Group 3 (High-Risk)     | The lamp (sensor) represents a risk even in case of momentary or temporary exposure  |

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### Manufacturer and Document Authority

Place/date Hadsten, February 05, 2025

Signature



Name

Luigi Cascavilla  
(Managing Director)

