CARLO GAVAZZI
Automation Components

CARLO GAVAZZI

Issue No.: 20251118

Declaration of Manufacturer

"Photobiological safety of photoelectric sensors"

We manufacturer

CARLO GAVAZZI INDUSTRI A/S,

Over Hadstenvej 40, DK-8370 Hadsten, Denmark. Tel. +45 89606100

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

PC50CNT20R

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.

☒	Exempt group:	In the context of criteria set by the standard, the lamp (sensor) does not present any photobiological risk.
☐	Risk group 1 (Low-Risk)	The lamp (Sensor) does not present any risk relating to the user exhibiting normal behavior during use.
☐	Risk Group 2 (Moderate-Risk)	The lamp (Sensor) does not present any risk relating to aversion response from bright light sources or thermal discomfort.
☐	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, November 18, 2025

Signature

Name Luigi Cascavilla
(Managing Director)

MS CERT
ISO 9001 / ISO 14001
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