



DECLARATION OF CONFORMITY

Manufacturer's declaration about conformity of ADB Safegate transformers to SELV and PELV requirements

We herewith declare that the following products:

1STxxx665x1001 series Isolation transformers (10W-500W 6.6/6.6A 50Hz)

- have been developed by ADB Safegate,
- are produced in ADB Safegate, Columbus, OH - USA
- have been tested and found in compliance with the following standards specifying protective provision for series circuits in aeronautical ground lighting systems, also referred as "SELV and PELV":
 - IEC/EN 62870:2015: Electrical installations for lighting and beaconing of aerodromes - Safety secondary circuits in series circuits - General safety requirements standard
 - IEC/EN 61820-3-4:2023: Electrical installations for lighting and beaconing of aerodromes - Part 3-4: Safety secondary circuits in series circuits - General safety requirements standard
 - IEC 61823:2022: Electrical installations for lighting and beaconing of aerodromes - AGL series transformers
 - FAA AC150/5345-47C – July 2011: Specification for Series to Series Isolation Transformers for Airport Lighting Systems

The following survey operations according to IEC 61823 have been carried out at an independent ISO17025 accredited laboratory without noticeable remarks:

- Test report 10.03.22315-1 dated Oct. 22, 2024, for (45W,65W,100W,150W and 200W)
- Test report 10.03.22279-1 dated Dec. 12, 2024, for (10/15W, 20/25W, 300W and 500W)

ADB Safegate's 1STxxx665x1001 Series Isolation Transformers (10W-500W, 6.6/6.6A, 50Hz, 5000V Insulation) are manufactured and designed, built, and tested to conform to both electrical and mechanical requirements as outlined in the applicable paragraphs of the IEC 62870/IEC 61820-3-4, IEC 61558-2-4, and IEC 61558-2-6 standards. When utilized for SELV/PELV applications using a frequency of 50/60 Hz and circuits designed for series circuit input voltage less or equal to 2 500 VAC, ADB SAFEGATE certifies that their series isolation transformers provide the safe separation as required by the IEC62870/IEC 61820-3-4:2023 to be used as a separation component in a SELV and PELV supply. It is emphasized that the maximum output voltage of the transformer depends on the overall series circuit setup. It is the responsibility of the system designer to keep the maximum output voltage below the required ELV limit; additional provisions may be required.

Issued in Zaventem – Belgium by ADB Safegate BV
March 10, 2025

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