Certificate of Compliance

Certificate: 80021369 **Master Contract:** 162938

Project: 80021369 **Date Issued:** 2020-10-29

Issued To: **Siemens AG**
SI BP
Berliner Ring 23
Rastatt, Baden-Württemberg, 76437
Germany

Attention: Hermann Hasselbach

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Thao Cao
Thao Cao

C US

PRODUCTS

CLASS - C263201 - FUEL BURNING EQUIPMENT (GAS) Gas Burners, Electrical Equipment for Accessories
CLASS - C263281 - FUEL BURNING EQUIPMENT (GAS) Gas Burners, Electrical Equipment for Accessories Certified to US Standards
CLASS - C263203 - FUEL BURNING EQUIPMENT (GAS) Gas Burners, Electrical Equipment for Accessories
CLASS - C263283 - FUEL BURNING EQUIPMENT (GAS) Gas Burners, Electrical Equipment for Accessories Certified to US Standards

Independent flame safeguard for permanent or non-permanent operation, model LFS1…. is designed for flame detection of gas and oil burners. Rated input 120/230V, 50/60 Hz, 5VA.

Notes:

1. The burner control system is intended to be installed inside an overall electrical enclosure where the suitability of the combination is to be considered in the end application.

2. These controls are rated for ambient temperature range in operation from -20ºC to +60ºC.

3. LFS1 units are designed for the supervision of oil burners and gas burners in combination with control unit LEC1, burner control LME…, or with programmable logic controllers. Typical fields of application range from industrial burners up to the highest security level SIL3 and in the field of ship burners.

4. These controls are designed to function with photocell detector RAR9 with approval for permanent operation, in the case of LFS1.1 (firing on oil).

5. These controls are designed to function with an ionization probe with approval for permanent operation or with UV flame detector QRA2 / QRA2M / QRA4 / QRA4M / QRA10 / QRA10M in non-permanent operation, in the case of LFS1.2 (firing on gas).

6. The flame detectors are used in conjunction with control unit LEC1, LME39.410C2RP, LME76… or with freely programmable controllers in the following applications:
   - Dual supervision of burners / supervision of the main flame or of the ignition and main flame by 2 flame safeguards with the same or different flame detectors
   - Multiflame supervision / plants with several burners whose flames must be supervised individually by one or several flame detectors, but whose startup and supervision is carried out centrally and simultaneously by only one control unit
   - The flame safeguards are also used as flame indication units in combustion plants with manual startup

7. The control unit is to be protected by an external fuse rated 6.3A (optional).

8. The control unit is provided with Software Version as confirmed in software report 2298416.

APPLICABLE REQUIREMENTS

CAN/CSA-E60730-1:15 - Automatic Electrical Controls for Household and Similar Use - Part 1: General Requirements
ANSI Z21.20-2014* CAN/CSA-60730-2-5-14 - Automatic electrical controls for household and similar use-Part 2-5: Particular requirements for automatic electrical burner control systems

UL 60730-1 (5th Edition) - Automatic electrical controls for household and similar use - Part 1: General requirements
UL 60730-2-5 (3rd Ed.)-Automatic electrical controls for household and similar use-Part 2-5: Particular requirements for automatic electrical burner control systems

Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80021369	2020-10-29	Original Certification LFS1.