



Certificate of Compliance

Certificate: 1945319

Master Contract: 151908

Project: 80139669

Date Issued: 2023-04-26

Issued To: Kenco Engineering Company
Post Office Drawer 470426
Tulsa, Oklahoma, 74147
United States

Attention: Brian Chapman

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: Andrea Ongaro
Andrea Ongaro



PRODUCTS

CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations

CLASS 3218 86 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

Class I, Div 1, Groups C and D:

Explosionproof Level float switch model KEFS and KEFS-TB (with test button) (with suffixes denoting switch rating, process connection specific gravity, pressure rating, temperature rating and wetted parts), 2,000 psi MWP, Single Seal. Rated as follows:

Model Designation	Model Rating
KEFS-2-SPDT5	5A 30VDC/5A 250VAC
KEFS-2-DPDT4	5A 30VDC/4A 250VAC



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KEFS-2-SPDT8	8A 250VAC
KEFS-2-SPDT5-TB	5A 30VDC/5A 250VAC
KEFS-2-DPDT4-TB	5A 30VDC/4A 250VAC
KEFS-2-SPDT8-TB	8A 250VAC

Note – Electrical rating will be dependent on the rating of the switch used.

CONDITIONS OF ACCEPTABILITY

1. Conduit seal must be installed within 18 inches from the float switches.
2. The temperature of the process seal shall be maintained such that the maximum fluctuation is limited to 10K.

APPLICABLE REQUIREMENTS

C22.2 No.14-18	Industrial Control Equipment
CSA Std C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
ANSI/UL Std No. 508 (18th Edition)	Industrial Control Equipment
UL Std No. 1203, 4 th Ed. – 2006	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
IEC TS 60079-40:2015	Explosive Atmospheres – Part 40: Requirements for process sealing between flammable process fluids and electrical systems
ANSI/UL 122701-2017 (R2021) Third edition	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

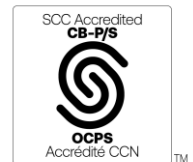


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Notes:

Products certified under Class C321806, C321886 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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
80139669	2023-04-26	The scope of this project is the update of cCSAus report # 1945319 for Class I, Division 1 Explosionproof Level float switch model KEFS and KEFS-TB for the addition of single seal rating.
80130122	2022-06-22	Evaluation to update cCSAus report # 1945319 (last project 80110068) for Class I, Division 1 explosionproof Level float switch model KEFS and KEFS-TB Series for addition of alternate switch ZM311f from Suns Electric. Quote Conditions: 1. All components are suitably certified to current editions of the applicable standards. 2. Assumes changes are administrative only, not requiring further test and assessment. If the changes are determined to be technical in nature, affecting the previous certification, and requiring further assessment/test, additional funds may be requested. 3. Submitter to provide a description of drawing changes, detailing the changes implemented at each revision level. 4. Quote does not include updates to latest standards however, a review of applicable CSA Certification announcements (e.g. Notices, Informs, etc.) is a procedural requirement.
80110068	2022-04-14	Update Report 1945319, minor drawing updates and addition of three basic models with test button with associated new drawings.
2310131	2010-06-02	Update of report 1945319 to include revised drawings.
2235801	2009-11-03	Update of report to include revised label drawing to include the cCSAus mark
2194020	2009-09-25	Alternate length of switch body increased to accommodate a larger float and float arm.
1945319	2008-02-27	CSA Certification of Float Switch Series KEFS for Use in Hazardous Locations