

CERTIFICATE OF CONFORMITY



- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM22US0018
- Equipment:** SAS-16 Magnetically Activated Point Level Switch
(Type Reference and Name)
- Name of Listing Company:** Clark Reliance LLC
- Address of Listing Company:** 16633 Foltz Parkway
Strongsville, OH 44149
USA
- The examination and test results are recorded in confidential report number:


PR461703 dated 23rd March 2022
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

Class 3600:2022, Class 3615:2022, Class 3810:2005,
ANSI/NEMA 250:2018, ANSI/UL 50E:2015
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

See Annex for equipment ratings.
- The marking of the equipment shall include:

See Annex for marking.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

1 April 2022

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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SCHEDULE



US Certificate Of Conformity No: FM22US0018

12. **Description of Equipment:**

General - The SAS-16 Magnetically Activated Point Level Switch is a snap action magnetic level switch that has been designed to operate as a point level switch for magnetic liquid level gauges. The switch is externally mounted and therefore does not come in contact with process fluid. The switch mechanism is based on a tri-magnet design. The snap action is accomplished by magnetic repulsion. The magnet mounted in the process float causes the secondary magnet to rotate as the float passes on the way up or down. The switch magnet is repelled by the secondary magnet and snaps to the opposite side. This action causes the cradle to pivot, moving the push rod which operates the switch contacts.

Construction - The SAS-16 Magnetically Activated Point Level Switch enclosure consists of a base and cover joined by a threaded joint. The enclosure cap contains a single 1/2 inch-14 NPT female entry. The enclosure is constructed of anodized 6061-T6 aluminium or 316 stainless steel. The switch is pre-wired and is supplied with flying leads. The switch can also be supplied in an alternate configuration in which the flying leads are pre-wired through a seal fitting to an FM Approved connection head enclosure with terminals. This alternate configuration is only rated for Group B and a low ambient of -40°C.

Ratings - The product is rated for use in an ambient temperature of -50°C to +60°C. The switch contacts are rated for 300Vac, 10A, 2000VA and 240Vdc, 10A, 50W or 240Vac, 1/4A, 6VA and 240Vdc, 1/4A, 3.6W.

See Annex for model codes.

13. **Specific Conditions of Use:**

None

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

| Date | Description |
|-----------------------------|-----------------|
| 23 rd March 2022 | Original Issue. |

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|----------------------------|--|
| 1 st April 2022 | Supplement 1: Report Reference: RR232212 dated 1 st April 2022. Description of the Change: Alternate construction with connection head enclosure added. Other minor documentation updates not affecting the product safety. Company name change (refer to RR231819). |
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ANNEX

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups A, B, C and D hazardous (classified) locations, indoors and outdoors (Type 4X) with an ambient temperature rating of -50°C to $+60^{\circ}\text{C}$.

Equipment Marking:

Class I, Division 1, Groups A, B, C, D; T6 Ta = -50°C to $+60^{\circ}\text{C}$; Type 4X

a-b. SAS-16 Magnetically Activated Point Level Switch.

a = Switch: A25669, A26617 or A25669-ERNST.

b = Housing Material: NULL or T.

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D hazardous (classified) locations, indoors and outdoors (Type 4X) with an ambient temperature rating of -40°C to $+60^{\circ}\text{C}$.

Equipment Marking:

Class I, Division 1, Groups B, C, D; T6 Ta = -40°C to $+60^{\circ}\text{C}$; Type 4X

A26044 a b c. SAS-16 Magnetically Activated Point Level Switch.

a = Version: NULL or ERNST.

b = Contacts: NULL or GC.

c = Housing Material: NULL or T.

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