



1. EC-TYPE EXAMINATION CERTIFICATE

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **EC-Type Examination Certificate Number:** ITS14ATEX18018X

4. **Equipment or Protective System:** Snap Action Magnetic Level Switch

5. **Manufacturer:** Clark-Reliance Corporation

6. **Address:** 16633 Foltz Industrial Parkway
Strongsville, OH 44149, USA

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report Ref. 101576359DAL-002, Issue 1, dated March 26, 2015.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012 and EN 60079-1:2007 except in respect of those requirements referred to in item 16 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:



II 2 G Ex d IIC T6...T1 Gb

Ta -20°C to +40°C



R J Smith
Certification Officer
27 March 2015

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977
www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.



SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS14ATEX18018X

13. Description of Equipment or Protective System

The SAS-16 Snap Action Magnetic Level Switches (Part Nos. A26617-CE-#, A25569-CE-#, and A26044-CE-##-#) are designed to operate as a point level switch for magnetic liquid level gauges. The switch enclosure can be comprised of aluminium alloy or stainless steel. Part Numbers A26044-CE-##-# are combined with an Ex d IIC certified sealing fitting, Ex d IIC threaded pipe nipple, and Ex d IIC flameproof enclosure to house a terminal block, as detailed in the Nomenclature section (below). The Ex d IIC certified enclosure is provided with 2 entries, one of which is provided with a factory installed Ex d certified blanking element.

Nomenclature:

- Part No. A25569-CE is a Model SAS-16 snap action magnetic level switch made from 6061 T6 aluminium
- Part No. A25569-CE-T is a Model SAS-16 snap action magnetic level switch made from 316 stainless steel
- Part No. A26044-CE is identical to Part No. A25569-CE, except it is attached to an Ex d IIC threaded pipe nipple, Ex d IIC certified sealing fitting, and Ex d IIC flameproof enclosure which houses a terminal block
- Part No. A26044-CE-T is identical to Part No. A25569-CE-T, except it is attached to an Ex d IIC threaded pipe nipple, Ex d IIC certified sealing fitting, and Ex d IIC flameproof enclosure which houses a terminal block
- Part No. A26617-CE is a Model SAS-16 snap action magnetic level switch made from 6061 T6 aluminium with gold contacts
- Part No. A26617-CE-T is a Model SAS-16 snap action magnetic level switch made from 316 stainless steel with gold contacts
- Part No. A26044-CE-GC is identical to Part No. A26617-CE, except it is attached to an Ex d IIC threaded pipe nipple, Ex d IIC certified sealing fitting, and Ex d IIC flameproof enclosure which houses a terminal block
- Part No. A26044-CE-GC-T is identical to Part No. A26617-CE-T, except it is attached to an Ex d IIC threaded pipe nipple, Ex d IIC certified sealing fitting, and Ex d IIC flameproof enclosure which houses a terminal block

Electrical Ratings:

- Part No. A25669-CE, A25669-CE-T, A26044-CE, A26044-CE-T: 300 Vac, 10 A, 2000 VA; 240 Vdc, 10 A, 50 W (maximum)
- Part No. A26617-CE, A26617-CE-T, A26044-CE-GC, A26044-CE-GC-T: 240 Vac, 0.25 A, 6 VA; 240 Vdc, 0.25 A, 3.6 W (maximum)

14. Report Number

Intertek Report Ref: 101576359DAL-002, Issue 1, dated March 26, 2015.

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15. **Conditions of Certification**

(a). Special Conditions for safe use

- No alterations are to be made to the flameproof joints without consultation with the manufacturer.
- The supply entry of Part Numbers A25569-CE-# & A26617-CE-# shall be filled with an approved sealing fitting certified for use as flameproof Ex d IIC.
- No more than one threaded adaptor shall be used on any single entry on the associated equipment.
- Part Numbers A26617-CE-# and A25569-CE-# must be installed to a suitably rated ATEX equipment certified terminal enclosure. The attached terminal enclosure must be provided with an internal protective earthing connection. The connection to the attached terminal enclosure must be via metallic fittings which ensure continuity, or via earth bonding. If continuity is not maintained between the switch enclosure and the attached terminal enclosure's earth, than the external earth bonding terminal shall be used to provide continuity to the attached terminal enclosure. The external bonding facility may also be used as per the local code installation requirements. The flying leads shall be terminated internal to an enclosure suitable for the location of installation.
- Relationship between process temperature and temperature code:

Temperature Code	Process Temperature
T6	-50°C to 80°C
T5	-50°C to 95°C
T4	-50°C to 130°C
T3	-50°C to 195°C
T2	-50°C to 295°C
T1	-50°C to 400°C

(b). Conditions of Manufacture

- A routine continuity test must be conducted to confirm the continuity between the SAS-16 Snap Action Magnetic Level Switch and the attached internally grounded Ex d IIC terminal enclosure.

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16. **Essential Health and Safety Requirements (EHSR's)**

The relevant EHSR's have been identified and assessed in Intertek Report Ref: 101576359DAL-002, Issue 1, dated March 26, 2015.

17. **Drawings and Documents**

Title	Document No.:	Rev. Level:	Date:
SWITCH BODY: ATEX: SAS-16	V-19799-EX	4	4/10/2014
THREADED CAP: SAS-16: ATEX	V-20101-EX	5	4/11/2014
ASSEMBLY: SAS-16 W/O GOLD CONTACTS	A-25669-CE-EX	5	4/14/2014
ASSEMBLY: SAS-16 W/ GOLD CONTACTS	A-26617-CE-EX	4	4/14/2014
LABEL: ATEX: SAS-16	V-20103-EX	6	4/17/2014
LABEL: ATEX: SAS-16: GOLD CONTACT	V-20436-EX	6	4/17/2014
SAS-16 ASM: ATEX: W/ TERMINAL BOX	A-26044-CE	1	4/23/2014
ENCLOSURE: TERMINAL STRIP: SAS-16	S-22863	1	4/8/2014
ENCLOSURE: EX-PROOF: STAINLESS STEEL: ATEX	V-21822	0	4/9/2014
ATEX LABEL: SAS-16: W/TERMINAL BOX	V-21057	2	4/28/2014
ATEX LABEL: SAS-16: GOLD CONTACT: W/TERMINAL BOX	V-21058	2	4/28/2014
ATEX LABEL: SAS-16: W/TERMINAL BOX: 316SS	V-21808	0	5/12/2014
ATEX LABEL: SAS-16: GOLD CONTACTS W/TERMINAL BOX: 316SS	V-21809	0	5/12/2014
ENCLOSURE: EXPLOSION PROOF: GLASS COVER	V-20816	0	03/14/2008

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16633 Foltz Parkway • Strongsville, Ohio 44149, U.S.A. • Telephone (440) 572-1500 • Fax (440) 238-8828
www.clark-reliance.com

EC Declaration of Conformity

Manufacturer: The Clark-Reliance Corporation
16633 Foltz Parkway
Strongsville, OH 44149 USA

Model # SAS-16 Magnetic Level Switch

Rating:  II 2 G Ex d IIC T6...T1*

Declaration: The equipment listed is in conformity with the provisions of the ATEX directive 2014/34/EU.

Certificate: ITS14ATEX18018X
Intertek Testing & Certification Limited
Intertek House, Cleve Road
Leatherhead, Surrey, KT22 7SB

Standards: 60079-0: 2012 60079-1:2007

QAN: QAN Certificate Number ITS09ATEXQ6353 issued by
Intertek Testing & Certification Limited
Deeside Lane
Chester, CH1 6DD

Authorized Signature(s): _____ **Date** _____
Engineering Manager

OR

: _____ **Date** _____
MRfQ

