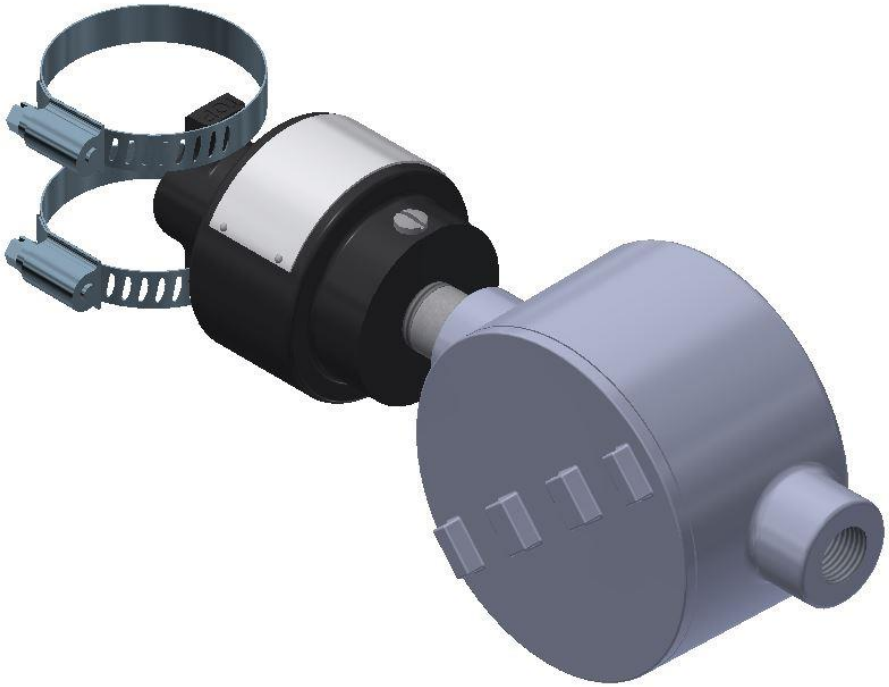
SAS-16



A PRODUCT OF CLARK-RELIANCE

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PRODUCT DESCRIPTION

The Jerguson model SAS-16 is a snap action magnetic level switch and has been designed to operate as a point level switch for magnetic liquid level gauges. Please read this manual in its entirety before installing the switch. Switch housing, nipple, and enclosure (when applicable) are constructed of 6061 T6 aluminum, designated by # = null, or 316SS designated by # = T.

All installation steps should be performed by a qualified technician and should be performed in accordance with all applicable national and local codes.

OPERATION

The normal state of the SAS-16 is when the magnetic float is below the centerline/activation level of the switch. In this normal state, the "A" leads are N/O and the "B" leads are N/C. When the float rises above the activation level, the switch changes states, and persists until the float passes the activation level once more.

INSTALLATION

To field mount the SAS-16 switch, simply tighten the provided hose clamps around both ears of the switch assembly & the Magnicator chamber. Be sure to install the switch in the upright position, with "T" or "TOP" facing up (denoted on the ear). Also, hose clamps will have to be fed behind any indicator or accessories, taking care not to unnecessarily alter their positions.

Additional switch installation considerations:

1) Switch location should not be beyond either the travel range of the float, or the outer-most process connections.
2) Switch orientation (left, right, or back side, etc.) should be within the active magnetic field. Note label restrictions of active magnetic field on flash-proof designs.
3) Consult factory regarding Specific Gravity (SG) prior to mounting multiple switches at the same locations.

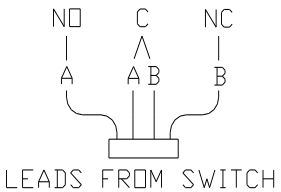
When supplied with flying leads, an approved sealing fitting must be within 12mm (.47”) of enclosure. All sealing fittings must be certified with appropriate ratings for the area.

For additional information refer to the appropriate control and installation drawing.

CI-SAS-16: UL/CUL
CI-SAS-16-EX: ATEX/IECEx

SUPPLIED WITH FLYING LEADS:
Part No. A25669-#, A25669-CE-#, A26617-# and A26617-CE-#

The switch can be wired as a form C switch as shown below.



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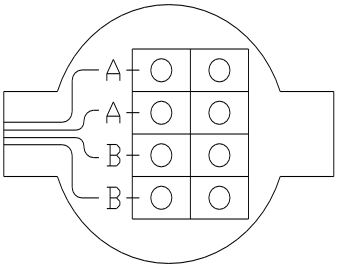
SUPPLIED WITH TERMINAL ENCLOSURE:
Part No. A26044-#, A26044-GC-#, A26044-CE-# and A26044-CE-GC-#

The switch can be wired as a form C switch as shown below.



MAINTENANCE

There is no internal maintenance or adjustments on the switch. It is recommended that the switch enclosure not be opened or dismantled. In the event the switch housing must be opened, loosen set screw first (when applicable) to ensure there is no damage to flame paths during disassembly.

GENERAL SPECIFICATIONS

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

Part No. A25669-#, A25669-CE-#, A26044-# and A26044-CE-#:

Max. Switching:	300VAC, 10A, 2000VA 240VDC, 10A, 50W
Switch Type:	SPDT
Conduit Connection:	1/2" FNPT = A25669, A25669-T, A25669-CE, A25669-CE-T, A26044, A26044-CE 3/4" FNPT = A26044-T, A26044-CE-T

Part No. A25669-GC-#, A25669-CE-GC-#, A26044-GC-# and A26044-CE-GC-#:

Max. Switching:	240VAC, 1/4A, 6VA 240VDC, 1/4A, 3.6W
Switch Type:	SPDT
Conduit Connection:	1/2" FNPT = A26617-GC, A26617-GC-T, A226617-CE-GC, A26617-CE-GC-T, A26044-GC, A26044-CE-GC, 3/4" FNPT = A26044-GC-T, A26044-CE-GC-T

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