

Digital Input/output

SAG6001



Introduction

The SAG6000 series are single ended (grounded) barriers that will transfer a discrete signal from a control system to an IS field device in a hazardous area. This series can be used in all Gas Groups.

Barrier's Function

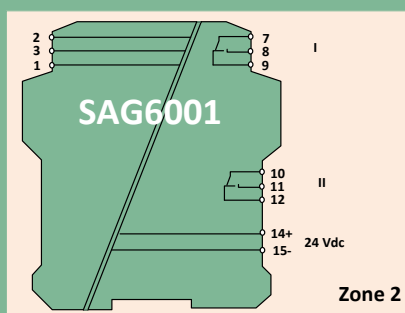
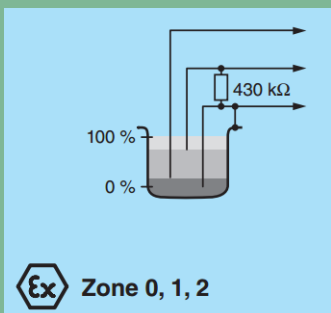
This isolated barrier is used for intrinsic safety applications. It provides the AC measuring voltage for the level sensing electrodes. Once the measured medium reaches the electrodes, the unit reacts by energizing a form C changeover relay contact.

The module is voltage and temperature stabilized and guarantees a defined switching characteristic. It can be used for on/off control or minimum/maximum control.

A signal delay feature is available and is adjustable between 0.5 s and 10 s.

Technical Specifications

ATEX Approval	II (1)GD, I (M1), [Ex ia] IIC, [Ex iaD], [Ex ia] I (-20 °C ≤ T _a zone 0/1/2] II 3G Ex nA II T4 [device in zone 2]
Environment	Operating Temperature: -20 to +60 °C IP Rate: IP20
Power Supply	20 ... 30 V DC 30 ... 40 mA
Input	min./max. on/off
Output	signal ; relay
Dimensions	100*115*25 mm
Weight	approx. 100 gr
Etc.	Line fault detection



About Communication SAG Company:

Our mission is developing and producing the general and specific communication parts base on standard communication protocols in Gas, Oil, Petrochemical, Power and Water files.

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