

Analogue Input – RTD

SAG5001



Introduction

RTD's are devices that are considered "Simple Apparatus" and can be incorporated into IS loops with as long as an appropriate Barrier is used with it. 3-wire RTD's can be accommodated by using the SAG5000 series. This device has matched, resistance balanced channels that prevent any offset between channels.

Barrier's Function

This isolated barrier is used for intrinsic safety applications. The device converts RTD input signals or thermocouple input signals in the hazardous area to 0/4 mA ... 20mA signals in the safe area.

Technical Specifications

ATEX Approval	II (1)G [Ex ia Ga] IIC II (1)D [Ex ia Da] IIIC I (M1) [Ex ia Ma] I II 3G Ex nA II T4 Gc [device in zone 2]
Environment	Operating Temperature: -20 to +60 °C IP Rate: IP20
Power Supply	19 ... 30 V DC
Input	RTD type Pt10, Pt50, Pt100, Pt500, Pt1000 thermocouple type B, E, J, K, N, R, S, T
Output	0 ... 20 mA or 4 ... 20 mA
Dimensions	100*115*25 mm
Weight	approx. 100 gr
Etc.	1 channel

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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