AHAR PowerStation Services

Product Data Sheet

RAMONA Analog Output module

Model: AAI2543-H50

Description

I/O modules are building blocks of industrial control systems used in end equipment such as PLC (Programmable Logic Controllers), PAC (Programmable Automation Controller) and DCS (Distributed Control Systems). Analog input/output modules capture and measure signals such as temperature, pressure, flow, level, vibration and motion. These parameters are transmitted from equipment such as sensors and other field devices on the factory floor in the form of current or voltage. Current-loops typically range from 4-20mA.

Functionality

These modules provide 16 outputs of 4 – 20 mA signal. They can be used in dual-redundant configuration. HART communication is available (at current input) for this modules.

Key Feature

- 16, isolated output channels
- output signal is 4 to 20 mA
- Accuracy is ±48µA
- Data update period is 10ms
- Drift due to ambient temperature change is ±16 µA/10 ˚C
- HART communication is available

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Specification

Number of output channels	16, isolated
output signal	output signal 4 to 20 mA
Withstanding voltage	Between input and system: 1500 V AC, for 1 minute
Accuracy	±48 µA
Data update period	10 ms
Allowable load resistance	0 to 750 Ω
Circuit-open detection	Less than 0.65 mA
Drift due to ambient temperature change	±16 µA/10 ˚C
Maximum current consumption	230 mA (5 V DC), 540 mA (24 V DC)
HART communication	Available

Mechanical

Connection technology	Pressure clamp terminal, MIL connector cable, dedicated cable (KS1)
Dimension	
• Width	32.8 mm
• Height	130 mm
• Depth	107.5 mm
weight	300 gr
Installation	Snaps onto Backplane (ANB2010D)
Electrical accessories	MIL Connector Cable
IP degree of protection	IP30
Connection technology	Pressure clamp terminal, MIL connector cable, dedicated cable (KS1)

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