

PROSAFE-RS FIO ANALOG I/O

Product Data Sheet

SAI533-H03 S1

analog current output module

FUNCTION analog current output module	FAMILY ProSafe-RS FIO analog I/O	ORIGIN Japan	WEIGHT 0.26 kg
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Yokogawa ProSafe-RS SAI533-H03 S1 is a analog current output module for the ProSafe-RS FIO analog I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Output Channels	8, module-isolated
Rated Output	4 to 20 mA
Guaranteed Range	1.25 to 23 mA
Allowable Load	230 to 600 Ω at rated range
Output Accuracy	$\pm 48 \mu\text{A}$
Update Frequency	40 ms
Temperature Drift	$\pm 16 \mu\text{A}$ per 10 °C
Withstand Voltage	1.5 kV AC for 1 minute
5 V Consumption	320 mA
24 V Consumption	300 mA

ADDITIONAL PRODUCT DATA

HART Devices	One device per channel
HART Speed	1200 ±2 bps
HART Protocol	Revision 5.7 functions
Communication option	HART communication
Style code	S1

OFFICIAL APPLICATIONS

- Safety current-output assemblies: ProSafe-RS Output Systems
- HART valve-positioner paths: Field Device Management
- Analog output verification: Safety I/O Commissioning

SYSTEM COMPATIBILITY

Match SAI533-H03 S1 to the installed ProSafe-RS FIO analog I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa official General Specifications](#)

<https://web-material3.yokogawa.com/GS32Q06K30-31E.pdf>

AMIKON PRODUCT SUPPORT

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