

YOKOGAWA CENTUM VP FIELD I/O SYSTEMS

Product Data Sheet

AAI835-S00 S2

isolated analog I/O module

FUNCTION isolated analog I/O module	FAMILY Yokogawa CENTUM VP field I/O	ORIGIN Japan	WEIGHT 0.30 kg
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Yokogawa AAI835-S00 S2 is a isolated analog I/O module for the Yokogawa CENTUM VP field I/O systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Channel Configuration	4 inputs and 4 outputs
Channel Isolation	Input/output channels isolated
Input Signal	4 to 20 mA DC
Output Signal	4 to 20 mA DC
Allowable Input Current	25 mA
Withstanding Voltage	500 V AC for 1 minute
Powered Input Resistance	290 to 450 Ω
Unpowered Input Resistance	500 k Ω minimum
Allowable Output Load	0 to 750 Ω
Open Circuit Detection	Below 0.65 mA

ADDITIONAL PRODUCT DATA

Input Accuracy	±16 µA
Output Accuracy	±48 µA
Data Update Period	10 ms
Current Consumption	360 mA at 5 V; 450 mA at 24 V
Communication Support	HART available

OFFICIAL APPLICATIONS

- Reactor and distillation field I/O stations: Reactor pressure input acquisition; Control-valve current output driving
- Separator and compressor process control nodes: Separator level transmitter input; Compressor recycle valve output
- Treatment dosing and filtration control panels: Filter differential-pressure input; Chemical dosing valve output

SYSTEM COMPATIBILITY

Match AAI835-S00 S2 to the installed Yokogawa CENTUM VP field I/O systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa official manufacturer documentation](#)

Manufacturer official document

AMIKON PRODUCT SUPPORT

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