

YOKOGAWA CENTUM VP FIELD I/O

Product Data Sheet

NFAI143-S50 S1

isolated current input module

FUNCTION isolated current input module	FAMILY Yokogawa CENTUM VP field I/O	ORIGIN Japan	WEIGHT Confirm before dispatch
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Yokogawa Centum XL NFAI143-S50 S1 is a isolated current input module for the Yokogawa CENTUM VP field I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Model Code	NFAI143-S50 S1
Input Channels	16 isolated channels
Input Signal	4 to 20 mA DC
Allowable Input	24 mA
System Isolation	1500 V AC for 1 minute
Input Resistance On	250 ohm
Input Resistance Off	500 kohm minimum
Accuracy	±0.1% of full scale
Data Refresh	10 ms
Step Response	100 ms

ADDITIONAL PRODUCT DATA

Transmitter Supply	24.0 to 25.5 V DC
Temperature Drift	±0.01%/°C maximum
Suffix Code	S50
Style Code	S1
Overcurrent Protection	Integrated per channel

OFFICIAL APPLICATIONS

- Apply NFAI143-S50 S1 in its documented equipment: Use NFAI143-S50 S1 as the isolated current input module in the Yokogawa CENTUM VP field I/O. Confirm input signal 4 to 20 mA DC and the exact installed arrangement before connection.
- Preserve the data refresh configuration: Record the product label, data refresh (10 ms), cable identification, grounding and adjacent hardware before removing the installed unit.
- Prove the isolated current input module under controlled conditions: After installation, verify style code (S1), check diagnostics and test the affected function before returning the equipment to service.

SYSTEM COMPATIBILITY

Match NFAI143-S50 S1 to the installed Yokogawa CENTUM VP field I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa Analog I/O Modules General Specifications](#)

AMIKON PRODUCT SUPPORT

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