

Installation Instructions

NFAI143-S50 S1

isolated current input module

Yokogawa CENTUM VP field I/O

Before work begins

- 01 Confirm the exact NFAI143-S50 S1 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable Yokogawa discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

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

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

- 01 Integrated per channel.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe controller, interface and equipment diagnostics..
- 05 Test the connected signal, network, motor or power function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable Yokogawa controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.