ADV551-P03 S2

Yokogawa / FIO digital output module

Yokogawa ADV551-P03 S2 is an FIO digital output module for configured CENTUM FIO discrete-signal service.

Overview

ADV551-P03 S2 belongs to the ADV551 digital-output family for Yokogawa FIO. Its 32 isolated current-sink channels transfer configured logic commands to compatible 24 V DC field loads. The load wiring and supply polarity must follow the installed termination arrangement.

The ADV551-P reference supports status output as well as configured pulse-width and time-proportioning operation. A status output responds within 3 ms in the documented base arrangement. Timing behavior and supported channel combinations depend on the selected host node and control project.

Technical specification matrix

I/O role	Digital output
Reference design	ADV551-P
Channels	32 isolated outputs
Output circuit	Current sink
Applied voltage	24 V DC
External supply range	20.4–26.4 V DC
Load limit	100 mA per channel at 26.4 V
Status response	3 ms maximum

Applications and system fit

Discrete actuator commands

Switch compatible DC actuators according to the configured FIO sequence.

Timed pulse outputs

Apply a programmed pulse width to field devices whose control specification requires a timed command.

Time-proportioning control Drive an approved on/off load with the configured duty pattern and suitable output protection.	**I/O module restoration** Restore the existing 32-channel output map in a matching FIO node and terminal arrangement.

Product precautions

Confirm polarity Match current-sink wiring and the external DC supply.	**Review channel loads** Check each device current against the applicable channel limit.
Protect inductive loads Use the approved suppression circuit for a relay or solenoid.	**Preserve timing** Record pulse-width and time-proportioning settings before replacement.

Source and application boundary

Yokogawa GS 33J60F70-01EN, Digital I/O Modules for FIO.

ADV551-P family ratings describe the documented base design; confirm style and option applicability to the complete offered marking.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

Yokogawa VI702 S1	Yokogawa ADV161-P00 S2

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Send the complete model and installed-system details when requesting a quotation.