ADV161-P00 S2

Yokogawa / FIO digital input module

Yokogawa ADV161-P00 S2 is an FIO digital input module for configured CENTUM FIO discrete-signal service.

Overview

ADV161-P00 S2 is a digital-input module in Yokogawa FIO. The ADV161-P reference provides 64 isolated 24 V DC input points for discrete field states. The installed terminal and wiring arrangement determine how contacts and external supplies are connected to those points.

The referenced ON threshold is 20–26.4 V DC and the OFF threshold is 5 V DC or below. Rated input current is 2.5 mA ±20% per channel and status response is 8 ms maximum. These values describe the ADV161-P reference; the full P00 S2 execution still requires host and style matching.

Technical specification matrix

I/O role	Digital input
Reference design	ADV161-P
Channels	64 isolated inputs
Input nominal voltage	24 V DC
ON voltage	20–26.4 V DC
OFF voltage	5 V DC or less
Rated input current	2.5 mA ±20% per channel
Status response	8 ms maximum

Applications and system fit

Discrete equipment status Acquire run, ready or trip contacts for approved sequence logic.	**Limit and permissive signals** Bring field switch states into the configured FIO input image.

Remote I/O maintenance Restore the same input map in a matching FIO node without disturbing adjacent channels.	**Redundant input arrangements** Use an approved module pairing where the installed node and control project support redundancy.

Product precautions

Check the contact circuit Verify field supply, common and contact polarity.	**Preserve the channel map** Record every affected input assignment before removal.
Review host support Match the node, style and terminal hardware.	**Protect interlocks** Use the approved maintenance bypass and test procedure.

Source and application boundary

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

ADV161-P family values describe the documented reference design; confirm style, terminal and host 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 ADV551-P03 S2

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