1

01 Readiness and operating boundary

Siemens 6DD1606-3AC0 is the IT41 expansion module for a SIMADYN D PM5 or PM6 CPU module. It adds analog and binary I/O together with four monitored incremental-encoder input channels.

Confirm exact identity

Confirm the complete 6DD1606-3AC0 marking before work.

Exact model	6DD1606-3AC0
Module designation	IT41
Hardware type	Expansion module

Establish the safe work boundary

Place the affected equipment in its approved maintenance state.

Identity	6DD1606-3AC0
Host	SIMADYN D
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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WEBSITE www.apterpower.com

6DD1606-3AC0

2

02 Configuration and interface setup

The IT41 mounts directly on its matched PM5 or PM6 CPU position and extends the controller with fast technology I/O without using a separate backplane slot for data exchange.

Record the as-found configuration

Isolate connected energy and prove the circuit safe.

Module designation	IT41
Hardware type	Expansion module
Host CPU	PM5 or PM6

Map connections and settings

Photograph the slot, wiring, connectors and settings before removal.

Identity	6DD1606-3AC0
Host	SIMADYN D
Acceptance	Diagnostics and functional response

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3

03 Installation and service sequence

The IT41 mounts directly on its matched PM5 or PM6 CPU position and extends the controller with fast technology I/O without using a separate backplane slot for data exchange.

Restore the documented assembly

Match every documented interface and companion component.

Hardware type	Expansion module
Host CPU	PM5 or PM6
Analog outputs	4

Protect every interface

Restore mechanical retention, shielding and protective earth.

Identity	6DD1606-3AC0
Host	SIMADYN D
Acceptance	Diagnostics and functional response

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4

04 Verification and fault isolation

The IT41 mounts directly on its matched PM5 or PM6 CPU position and extends the controller with fast technology I/O without using a separate backplane slot for data exchange.

Verify the installed function

Review hardware, network and controller diagnostics after energization.

Host CPU	PM5 or PM6
Analog outputs	4
Analog inputs	4

Isolate unexpected response

Functionally verify technology I/O and incremental-encoder expansion for a PM5 or PM6 CPU before service release.

Identity	6DD1606-3AC0
Host	SIMADYN D
Acceptance	Diagnostics and functional response

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5

05 Acceptance and service handover

The IT41 mounts directly on its matched PM5 or PM6 CPU position and extends the controller with fast technology I/O without using a separate backplane slot for data exchange.

Complete the release record

Confirm the complete 6DD1606-3AC0 marking before work.

Exact model	6DD1606-3AC0
Module designation	IT41
Hardware type	Expansion module

Retain acceptance evidence

Place the affected equipment in its approved maintenance state.

Identity	6DD1606-3AC0
Host	SIMADYN D
Acceptance	Diagnostics and functional response

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