Siemens TI-405-4DAC-2
Complete Product Information

PRODUCT OVERVIEW

Product	TI-405-4DAC-2
Type	4-Channel Analog Output Module
Platform	SIMATIC TI 405
Primary role	four-channel analog output module

KEY CAPABILITIES

Capability 1 Provides the four-channel analog output module function.	Capability 2 Integrates with the SIMATIC TI 405 platform.
Capability 3 Retains the assigned signal or communication path.	Capability 4 Uses the complete TI-405-4DAC-2 identity for replacement control.

WHERE IT FITS

Installed-base maintenance Restore the assigned four-channel analog output module position without changing the surrounding system design.	Loop and channel service Retain terminal assignments, scaling and channel ownership during controlled replacement.
Fault isolation Separate module, field wiring and configuration causes during troubleshooting.	Commissioning Prove the complete signal path before returning the process to service.

ApterPower product support
Scan for model-specific assistance.

Capabilities at a glance

PRODUCT PARAMETERS

Alternate identifier	405-4DAC-2
Output channels	4
Resolution	12 bit
Current ranges	0 to 20 mA; 4 to 20 mA
Voltage ranges	0 to 5 V; 0 to 10 V; ±5 V; ±10 V
User supply	24 V DC
Compatibility reference	F4-04DA compatibility mode
Acceptance focus	Confirm end-to-end response

CAPABILITY INTERPRETATION

Capability 1	Provides the four-channel analog output module function. This supports the assigned SIMATIC TI 405 maintenance strategy.
Capability 2	Integrates with the SIMATIC TI 405 platform. This supports the assigned SIMATIC TI 405 maintenance strategy.
Capability 3	Retains the assigned signal or communication path. This supports the assigned SIMATIC TI 405 maintenance strategy.
Capability 4	Uses the complete TI-405-4DAC-2 identity for replacement control. This supports the assigned SIMATIC TI 405 maintenance strategy.

SYSTEM RELATIONSHIP

Upstream Field source or system command assigned to the four-channel analog output module function.	Product role TI-405-4DAC-2 performs its configured function inside SIMATIC TI 405.
Downstream Receiving channel, field device or operator interface.	Supervision Diagnostics, alarms and process indications confirm healthy operation.

Applications and operating context

COMMON APPLICATIONS

Installed-base maintenance Restore the assigned four-channel analog output module position without changing the surrounding system design.	Loop and channel service Retain terminal assignments, scaling and channel ownership during controlled replacement.
Fault isolation Separate module, field wiring and configuration causes during troubleshooting.	Commissioning Prove the complete signal path before returning the process to service.

OPERATIONAL WORKFLOW

Normal operation	TI-405-4DAC-2 maintains the assigned four-channel analog output module path.
Inspection	Review physical condition, status and process indications.
Fault isolation	Separate field, connection, module and configuration causes.
Replacement	Match the complete identity and restore retained interfaces.
Commissioning	Prove static and dynamic response under controlled conditions.
Return to service	Remove bypasses after alarms and process behavior are accepted.

SERVICE PLANNING

People Controls, electrical and operations roles defined.	Information Marking, configuration and connection map available.
Hardware Correct replacement, tools and test equipment prepared.	Process Isolation, test and release windows approved.

Model-specific questions

FAQ

What is Siemens TI-405-4DAC-2 designed to do?	It provides the four-channel analog output module function for SIMATIC TI 405.
How is Siemens TI-405-4DAC-2 integrated into the control system?	It occupies the assigned SIMATIC TI 405 position and retains the surrounding interfaces.
Which resolution is specified for Siemens TI-405-4DAC-2?	Resolution: 12 bit.
What should be checked about the current ranges on Siemens TI-405-4DAC-2?	Confirm 0 to 20 mA; 4 to 20 mA before energization.
Which voltage ranges belongs to Siemens TI-405-4DAC-2?	The applicable value is 0 to 5 V; 0 to 10 V; ±5 V; ±10 V.
How should technicians preserve the user supply of Siemens TI-405-4DAC-2?	Record and restore 24 V DC.
Which acceptance test applies after Siemens TI-405-4DAC-2 is installed?	Verify the static state, controlled dynamic response and final SIMATIC TI 405 status.
What must match before Siemens TI-405-4DAC-2 returns to service?	The model marking, installed position, connections, configuration and end-to-end response must all agree.

MAINTENANCE DECISIONS

Keep in service	Status and end-to-end response remain stable.
Investigate	Intermittent value, diagnostic or connector condition appears.
Replace	Confirmed product fault persists after field and configuration checks.
Escalate	Identity, compatibility or process consequence remains unclear.

SUCCESSFUL OUTCOME

Identity Exact model and installed position agree.	Connections Every assigned interface is restored.
Configuration All retained settings are active.	Response The process and diagnostic path pass testing.

Precautions and selection

EIGHT PRODUCT PRECAUTIONS

1	Confirm the complete Siemens TI-405-4DAC-2 marking before removal.
2	Place the affected SIMATIC TI 405 function in its approved maintenance state.
3	Record terminals, connectors and installed orientation before disconnection.
4	Retain channel assignments, scaling and communication settings.
5	Inspect mating contacts and terminal hardware for damage or contamination.
6	Restore shields, commons and protective grounding exactly as assigned.
7	Energize under controlled conditions and review module status.
8	Verify the end-to-end process response before release.

RELATED SIEMENS PRODUCT PAGES

Siemens 6DS1220-8AA	https://www.apterpower.com/Siemens/Siemens-Teleperm/6ds1220-8aa
Siemens 6DS1211-8AA	https://www.apterpower.com/Siemens/Siemens-Teleperm/6ds1211-8aa

FINAL PRODUCT SUMMARY

Model	TI-405-4DAC-2
Family	SIMATIC TI 405
Function	four-channel analog output module
Selection basis	Complete identity, interfaces and configured function
Installation basis	Saved connections and controlled configuration
Release basis	Verified mechanical, electrical, logical and process response