

Product dashboard

Siemens 6GT2002-0AA00 is the MOBY-I base module used for ASM 400, ASM 401 or ASM 500 interface assemblies. For ASM 400/401 operation it accepts one to four matching channel modules and connects the configured identification channels to a SIMATIC S5 host.

Exact model

6GT2002-0AA00

Product type

MOBY Base Module

System

SIMATIC S5 / MOBY-I

Channel-module capacity

1 to 4 modules

PARAMETER	DOCUMENTED VALUE
Exact model	6GT2002-0AA00
Hardware type	MOBY-I base module
Assembly families	ASM 400 / ASM 401 / ASM 500
Documented hosts	SIMATIC S5-115U / S5-135U / S5-155U/H
Channel-module capacity	1 to 4 modules
ASM 400 channel module	CM422, 6GT2002-0AB00
ASM 401 channel module	CM423, 6GT2002-1AB00
Mixed CM422/CM423 population	Not permitted
ASM 400 function blocks	FB250 / FB252

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System and signal path

Siemens 6GT2002-0AA00 provides the shared backplane, address and service interface for a selected ASM 400 or ASM 401 execution while the installed CM422 or CM423 modules define channel behavior.

ASM 400 maintenance

Supports CM422 peripheral-area operation in a retained SIMATIC S5 configuration.

ASM 401 maintenance

Supports CM423 tile-area operation with the documented FB230 path.

MOBY-I channel expansion

Carries one to four identical channel-module types in the selected assembly mode.

Identification diagnostics

Uses channel LED codes and the controller status record to isolate communication faults.

GATE	REQUIRED RESULT
Identity	6GT2002-0AA00
Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems

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Technical data map

PARAMETER	VERIFIED VALUE
Exact model	6GT2002-0AA00
Hardware type	MOBY-I base module
Assembly families	ASM 400 / ASM 401 / ASM 500
Documented hosts	SIMATIC S5-115U / S5-135U / S5-155U/H
Channel-module capacity	1 to 4 modules
ASM 400 channel module	CM422, 6GT2002-0AB00
ASM 401 channel module	CM423, 6GT2002-1AB00
Mixed CM422/CM423 population	Not permitted
ASM 400 function blocks	FB250 / FB252
ASM 401 function block	FB230
Service interface	STG 4F connector
Channel indication	Red / yellow / green LEDs
Base-module setting	Switch and jumper configuration
Acceptance	Addressing, channel LEDs and MOBY data exchange

Technical record: ASM 400/ASM 401 Technical Description, 6GT2097-3AB00-0DB1, Edition 08/95

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Applications and service checks

1

Confirm 6GT2002-0AA00 and whether the installed assembly is ASM 400, ASM 401 or ASM 500.

2

Record every CM422 or CM423 position; do not mix the two channel-module types.

3

Back up the S5 address map, function-block assignment and channel data before removal.

4

Isolate rack and field power, then label the 24 V, ground, service and channel connectors.

5

Restore switches and jumpers to the retained base-module configuration.

6

Seat every channel module and verify connector retention before rack energization.

7

Read red, yellow and green channel indications and compare any error code with the service record.

8

Prove MOBY data exchange on each populated channel before releasing 6GT2002-0AA00.

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Engineering FAQ and related products

Which assemblies use Siemens 6GT2002-0AA00?

It is the documented base module for ASM 400, ASM 401 and ASM 500 MOBY-I interface assemblies.

Which SIMATIC hosts support Siemens 6GT2002-0AA00 in ASM 400/401 service?

The manual lists SIMATIC S5-115U, S5-135U and S5-155U/H systems.

How many channel modules can Siemens 6GT2002-0AA00 carry?

The base module accepts one to four channel modules in the documented ASM 400 or ASM 401 configuration.

Which channel module belongs with Siemens 6GT2002-0AA00 in ASM 400 mode?

ASM 400 uses CM422 channel modules identified by 6GT2002-0AB00.

Related Siemens product pages

[Siemens 6ES7214-1AG40-0XB0 — View product page](#)

[Siemens 6ES7223-1BL22-0XA0 — View product page](#)

[Siemens 6ES7321-1BL00-0AA0 — View product page](#)

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