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01 Identity and operating boundary

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.

Model	System	Assembly families	Documented hosts
6GT2002-0AA00	SIMATIC S5 / MOBY-I	ASM 400 / ASM 401 / ASM 500	SIMATIC S5-115U / S5-135U / S5-155U/H

Action A

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

Assembly families	ASM 400 / ASM 401 / ASM 500
Documented hosts	SIMATIC S5-115U / S5-135U / S5-155U/H

Action B

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

Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems
Evidence	Retained service record

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02 Interface and configuration map

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.

Model	System	Documented hosts	Channel-module capacity
6GT2002-0AA00	SIMATIC S5 / MOBY-I	SIMATIC S5-115U / S5-135U / S5-155U/H	1 to 4 modules

Action A

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

Documented hosts	SIMATIC S5-115U / S5-135U / S5-155U/H
Channel-module capacity	1 to 4 modules

Action B

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

Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems
Evidence	Retained service record

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03 Installation sequence

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.

Model	System	Channel-module capacity	ASM 400 channel module
6GT2002-0AA00	SIMATIC S5 / MOBY-I	1 to 4 modules	CM422, 6GT2002-0AB00

Action A

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

Channel-module capacity	1 to 4 modules
ASM 400 channel module	CM422, 6GT2002-0AB00

Action B

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

Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems
Evidence	Retained service record

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04 Diagnostics and functional verification

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.

Model	System	ASM 400 channel module	ASM 401 channel module
6GT2002-0AA00	SIMATIC S5 / MOBY-I	CM422, 6GT2002-0AB00	CM423, 6GT2002-1AB00

Action A

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

ASM 400 channel module	CM422, 6GT2002-0AB00
ASM 401 channel module	CM423, 6GT2002-1AB00

Action B

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

Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems
Evidence	Retained service record

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05 Acceptance and service handover

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.

Model 6GT2002-0AA00	System SIMATIC S5 / MOBY-I	ASM 401 channel module CM423, 6GT2002-1AB00	Mixed CM422/CM423 population Not permitted
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CHECK	REQUIRED RECORD
Action A	Confirm 6GT2002-0AA00 and whether the installed assembly is ASM 400, ASM 401 or ASM 500.
Action B	Record every CM422 or CM423 position; do not mix the two channel-module types.
Acceptance	MOBY-I identification-channel interfacing in SIMATIC S5 systems
Evidence	Retained service record

Related Siemens product pages

- Siemens 6ES7414-2XG02-0AB0 — View product page
- Siemens 6ES7314-6BH04-0AB0 — View product page
- Siemens 6ES7153-2BA02-0XB0 — View product page

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