Siemens 6DD1662-0AB0

01 Map carrier and submodules

Record X01 through X03, each SS module, its peer and its CPU data association. Retain the communication configuration and identify the relevant diagnostic LED pairs.

Carrier and submodules — acceptance

Every occupied receptacle has a documented protocol and application responsibility.

Stage record	Map carrier and submodules observations and acceptance result
Communication receptacles	3, X01–X03
Dual-port memory	16 kB per communication submodule

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02 Check the complete assembly budget

Review carrier and interface power demand together. Inspect screen leads, unused-slot covers, front-panel fastening and cable identification before fitting the replacement.

Complete assembly budget — acceptance

The full carrier assembly has the necessary supply capacity and EMC connections.

Stage record	Check the complete assembly budget observations and acceptance result
Diagnostic indications	2 LEDs per receptacle
Backplane interface	L bus

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03 Restore the carrier interfaces

Follow the SIMADYN D service procedure, preserving submodule positions and connector engagement. Refit supplied screen leads and covers; keep the reset test sockets free of operational wiring.

Carrier interfaces — acceptance

Hardware positions, screening and configuration match the approved installation.

Stage record	Restore the carrier interfaces observations and acceptance result
Occupied rack slots	2
Submodule connector	48-pin

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04 Test each communication path

Exercise controlled transactions through every fitted interface, observing its own diagnostic interpretation. Verify the changing data at the intended CPU and external peer.

Each communication path — acceptance

Each configured path completes its expected data exchange without a hidden failed receptacle.

Stage record	Test each communication path observations and acceptance result
Nominal logic supply	5 V DC
Carrier current	0.5 A typical plus interface-module current

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05 Confirm fault isolation and handover

Perform the authorized interface interruption test and verify that the correct diagnostics identify the affected path. Record the final submodule map and test results before releasing communications.

Fault isolation and handover — acceptance

Maintenance can distinguish a peer, cable, interface or carrier issue using the retained configuration and observed behavior.

Technical basis: SIMADYN D Hardware, CS7 Communication Support Module.

Related product navigation

- Siemens 6ES7313-6CE01-0AB0
- Siemens 6ES7132-6BH00-0BA0
- Siemens 6ES7331-7TF01-0AB0

Related products for separate application assessment; verify the platform and interface. No interchangeability is implied.