Siemens 6DS1223-8AA

N-AS Local Bus Interface

A TELEPERM M N-AS local-bus interface module used to connect automation or operator systems on the CS 275 20 m local bus.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Verification focus

- Siemens
- 6DS1223-8AA
- N-AS local-bus interface
- Documented end termination

Readiness checklist

Exact identity	Siemens 6DS1223-8AA matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Equipment side	Automation system or operator system
Network side	CS 275 local bus
Distribution point	Connection distribution in the SES
Cable set	6DS9201-8FC shown in the system diagram
Final open end	Terminated with 6DS9200-8AA front connector
Installation control	S11 and S12 ON when N-AS is present

Interface acceptance record

- Equipment side: Automation system or operator system
- Network side: CS 275 local bus
- Distribution point: Connection distribution in the SES
- Cable set: 6DS9201-8FC shown in the system diagram

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration control

- Local-bus distance: 20 m
- Maximum earth-potential difference: 0.2 V between systems
- Backplane switches when installed: S11 and S12 set to ON
- End connector: 6DS9200-8AA on the last open cable end

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

Set S11 and S12 to ON when the N-AS is installed.

2

Reconnect the cable 1:1 by conductor color and ring number.

3

Terminate the final open cable end with front connector 6DS9200-8AA.

4

Verify communication to every required participant after startup.

Release evidence

- Set S11 and S12 to ON when the N-AS is installed.
- Reconnect the cable 1:1 by conductor color and ring number.
- Terminate the final open cable end with front connector 6DS9200-8AA.
- Verify communication to every required participant after startup.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power products	Exact product page
Siemens 7UM5111-4CB01-0BB0/JJ	View Siemens 7UM5111-4CB01-0BB0/JJ
Siemens 7UT5121-4CB01-0AA0/LL	View Siemens 7UT5121-4CB01-0AA0/LL
Siemens 7VE5120-4CA10-0A/FF	View Siemens 7VE5120-4CA10-0A/FF
Siemens 6DD1681-0AE2	View Siemens 6DD1681-0AE2

Commissioning support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com

Source and identity trace

- Exact identity: Siemens 6DS1223-8AA
- Siemens AS 235 H Installation Manual, C79000-G8076-C293-07, section 4.5.1, local-bus interface modules 6DS1223-8AA and 6DS1220-8AA