

Siemens 6DS1220-8AA

N8-H Local Bus Interface

A TELEPERM M N8-H local-bus interface module used to link AS or OS systems through the CS 275 20 m local bus.

01 N8-H local-bus interface	02 CS 275 bus system	03 20 m local-bus segment	04 AS or OS interconnection
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System position



Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

Verification focus

- Siemens
- 6DS1220-8AA
- N8-H local-bus interface
- AS or OS interconnection

Engineering domains and architecture

Manufacturer	Siemens
Article number	6DS1220-8AA
Designation	N8-H
System	TELEPERM M / CS 275

Interface role	Local-bus interface module
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

Interface architecture

System side AS or OS system	Bus side CS 275 local bus	Distribution Connection distribution in the SES	Cable set 6DS9201-8FC shown in the Siemens installation diagram
Termination Single front connector 6DS9200-8AA at the last open end	Backplane control S11 and S12 ON when N8-H is installed		

Use cases with controlled scope

AS local-bus link Connect an automation system to the CS 275 local bus.	OS interconnection Provide the documented local-bus interface for an operator system.	Redundant local bus Maintain the standard redundant local-bus arrangement described by Siemens.	Legacy network repair Replace an N8-H while preserving cable, switch and termination state.
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INTEGRATION CHECKPOINTS

Identity Siemens 6DS1220-8AA is preserved in full.	Host system Rack, slot and surrounding hardware are verified.	Configuration Project, firmware and settings are recorded.	Acceptance Functional evidence is captured before release.
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System relationship

AS or OS system	6DS1220-8AA N8-H	Connection distribution	CS 275 local-bus participants
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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

Decision matrix

Question	Answer
What is Siemens 6DS1220-8AA?	It is the TELEPERM M N8-H interface module for the CS 275 local bus.
What local-bus distance is documented?	The Siemens installation manual specifies a 20 m local bus.
What earth-potential difference is permitted between systems?	The documented maximum is 0.2 V.
How should S11 and S12 be set with 6DS1220-8AA installed?	Both backplane switches must be set to ON.
Which connector closes the last open cable end?	Siemens specifies the single front connector 6DS9200-8AA.
How is conductor continuity maintained between systems?	The open cable end is connected 1:1 by conductor color and ring number.
What must be tested after replacement?	Verify all intended participants, local-bus communication and the configured redundancy response.

Eight release precautions

1 Isolate the system and document the local-bus topology before removal.	2 Retain the complete 6DS1220-8AA identity and N8-H designation.	3 Keep the local-bus distance within the documented 20 m limit.	4 Verify earth-potential difference between systems does not exceed 0.2 V.
5 Set S11 and S12 to ON when the N8-H module is installed.	6 Maintain 1:1 conductor color and ring-number continuity in the connecting cable.	7 Fit the 6DS9200-8AA front connector to the last open cable end.	8 Prove participant communication and redundancy behavior after restoration.

Product verification and support

Apter Power verification 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 6DS1223-8AA	View Siemens 6DS1223-8AA
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



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Scan for the Apter Power contact page.

Model record Siemens 6DS1220-8AA N8-H Local Bus Interface Verify the complete nameplate before installation.

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