Siemens 16182-1-3

MBX Transition Board

Transition board used in the Siemens Moore APACS+ Module Bus Expander architecture for the documented bus connection path.

IDENTITY SNAPSHOT	
H1 APACS+ MBX component	**H2** Transition-board function
H3 Module-bus signal routing	**H4** Exact 16182-1-3 code

System position

1	APACS+ controller
2	Module bus
3	16182-1-3 transition
4	Expanded I/O rack

Document boundary

This dossier uses exact-model evidence and clearly identified family context. Unsupported values are intentionally left for nameplate, project-record or revision-manual verification.

Architecture and interface control

Transition board used in the Siemens Moore APACS+ Module Bus Expander architecture for the documented bus connection path.

SYSTEM FLOW	
1	APACS+ controller
2	Module bus
3	16182-1-3 transition
4	Expanded I/O rack

Interface map

MBX assembly	Transition point within the Module Bus Expander
Module bus	Signal-routing path
Rack connection	Mechanical and electrical interface
Cable/termination	Match installed routing and orientation

Engineering rule

Use the full Siemens 16182-1-3 identity in drawings, spares records and acceptance evidence. A similar family code is not proof of interchangeability.

03 / TECHNICAL DATA

Verified engineering data

Values below are limited to the reviewed exact-model or directly applicable manufacturer-family evidence.

Manufacturer	Siemens / Moore
Exact code	16182-1-3
Published base	16182-1 MBX Transition Board
System	APACS+ Module Bus Expander
Component role	Physical transition/interface board
Electrical data	Verify from exact rack documentation

CHANGE CONTROL

Record

Capture the complete nameplate, revision and installed position.

Compare

Check replacement hardware against project and service records.

Protect

Apply the documented power-isolation and ESD procedure.

Prove

Complete a model-specific functional test before release.

Service logic

Use evidence in sequence; do not skip directly from a fault symptom to part substitution.

1	Capture symptoms and existing status
2	Verify power, wiring, slot and surrounding system
3	Test 16182-1-3 against the exact service procedure
4	Replace only after the module is isolated as the cause
5	Commission and archive results

Model-specific precautions

1 Verify the complete 16182-1-3 marking and board revision.	**2** Archive the MBX rack and cable drawings.
3 De-energize affected racks and observe ESD controls.	**4** Label every cable and connector before removal.
5 Do not infer pinout or termination from another transition board.	**6** Inspect connector alignment, shielding and grounding.

Decisions and Apter Power support

What is Siemens 16182-1-3?

It is identified as an MBX transition board used in the Siemens Moore APACS+ architecture.

What does Siemens 16182-1-3 connect?

It forms part of the documented Module Bus Expander transition path between the controller-side bus and expanded I/O hardware.

Is Siemens 16182-1-3 a controller?

No. The reviewed sources identify it as a transition/interface board rather than the control processor.

What must be labeled before removing Siemens 16182-1-3?

Label every cable, connector, orientation and rack position.

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 references	Scope note
Siemens 39SDM024DCCBN 16101-174/8	Portfolio reference only; verify compatibility independently.
Siemens 16101-174/10	Portfolio reference only; verify compatibility independently.

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