Siemens 6ES7153-2BA82-0XB0

01 Capture station and partner identity

1 Capture station and partner identity
2 Qualify the outdoor assembly
3 Restore network configuration
4 Exercise configured functions
5 Complete process handover

Work sequence

Record the DP address, I/O order, enabled functions and both interface versions where redundant. Identify the required process response before separating a partner or fieldbus connection.

Acceptance condition

The intended station configuration and redundancy pairing are documented.

Fieldbus	PROFIBUS DP
Station role	DP slave

Environment boundary: Expanded conditions require compatible interface, bus and I/O hardware; they do not transfer automatically from the interface to the station.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to qualify the outdoor assembly.

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02 Qualify the outdoor assembly

1. Capture station and partner identity
2. **Qualify the outdoor assembly**
3. Restore network configuration
4. Exercise configured functions
5. Complete process handover

Work sequence

Inspect interface, active bus, rail and I/O suitability for the environment. Review supply capacity against the actual product version and attached loads. Do not assume standard modules inherit the interface rating.

Acceptance condition

The complete station meets the selected operating arrangement.

High-accuracy timestamp limit	8 input modules at 1 ms accuracy
Outdoor operating range	-25 to +60 °C with suitable station components

Version-sensitive power: Use the supply-current requirement for the actual product version and include all attached station loads.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to restore network configuration.

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03 Restore network configuration

1. Capture station and partner identity
2. Qualify the outdoor assembly
3. **Restore network configuration**
4. Exercise configured functions
5. Complete process handover

Work sequence

Match the physical address and module order to the master project. Reconnect the intended bus and termination arrangement and review configuration diagnostics before accepting data exchange.

Acceptance condition

The DP master identifies the correct station and module set.

24 V supply current, product version 01	600 mA maximum
24 V supply current, product version 02	620 mA maximum

Redundancy acceptance: Match both partners and test the configured switchover, diagnostics and channel response.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to exercise configured functions.

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04 Exercise configured functions

1 Capture station and partner identity

2 Qualify the outdoor assembly

3 Restore network configuration

4 **Exercise configured functions**

5 Complete process handover

Work sequence

Verify individual I/O and any timestamp function, observing its module limit. For redundancy, test the approved switchover and confirm the process response rather than checking only partner LEDs.

Acceptance condition

The enabled station functions operate within their configured limits.

Outdoor bus assembly	Appropriate BM IM/IM and painted active I/O bus modules
Outdoor I/O selection	Suitable SIPLUS/expanded-environment modules

Environment boundary: Expanded conditions require compatible interface, bus and I/O hardware; they do not transfer automatically from the interface to the station.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to complete process handover.

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05 Complete process handover

1 Capture station and partner identity

2 Qualify the outdoor assembly

3 Restore network configuration

4 Exercise configured functions

5 Complete process handover

Work sequence

Remove maintenance substitutions after all affected channels and station diagnostics are accepted. Retain partner versions, address plan and the tested fault-response results.

Acceptance condition

The station returns to normal service with a reproducible configuration record.

Timestamp planning	Module count and synchronization must be reviewed together
Station acceptance	DP communication plus individual I/O and fault-response tests

Siemens 6ES7134-4GB11-0AB0

Siemens 6ES7193-6AR00-0AA0

Siemens 6ES7235-0KD22-0XA0

Related products require separate compatibility assessment. Retain the final configuration and signed test outcome.