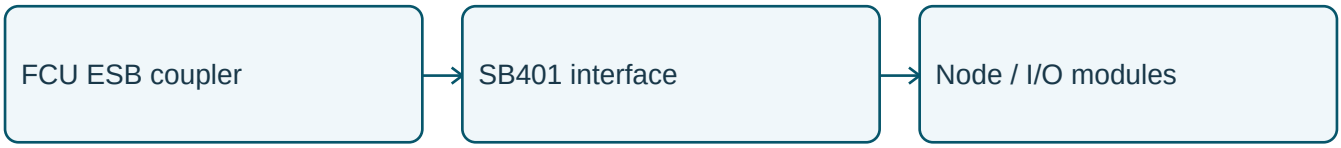
SB401-10 S1

01 / System identity and preparation

Yokogawa SB401-10 S1 serves at the node side of the ESB link, allowing the node and its installed modules to exchange information with the field control unit.



Preparation priorities

Complete identity	Match SB401-10 S1 and all style or revision markings to the installed interface.
Node relationship	Verify the ANB10 node, FCU-side ESB coupler and each assigned bus path.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

The technical data describes the SB401 base design. Match the complete SB401-10 S1 marking, style and installed configuration; do not transfer later suffix approvals or ratings automatically.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Complete identity	Match SB401-10 S1 and all style or revision markings to the installed interface.
Node relationship	Verify the ANB10 node, FCU-side ESB coupler and each assigned bus path.
Assembly configuration	Record the paired interface where fitted, node power modules, connectors and supported I/O inventory.
Functional acceptance	Verify node communication and configured redundant-path behavior, then check the installed I/O data at the FCU.

Retain the full style marking

Match SB401-10 S1 exactly to the installed configuration. Do not infer interchangeability from SB401 alone.

Identify both bus paths

Record ESB cable and interface positions before disconnection, particularly in a dual-redundant node.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Check the host arrangement

Confirm the corresponding FCU coupler and supported node configuration before installation.

Separate module and node data

Use node capacity and power-module ratings only for the complete assembly. Do not assign them to the interface as standalone ratings.

Key hardware references

Module role	ESB bus interface slave
Installation context	ANB10S / ANB10D node design
Bus relationship	Node-side ESB interface to FCU
Dual node interface arrangement	Two SB401 modules

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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Apply manufacturer instructions and approved site procedures.

04 / Commissioning and diagnostic decisions

Use controlled replacement

Follow approved isolation and ESD practices and preserve connector condition and seating.

Check communication after service

Verify the node data path and each redundant path where configured before releasing the affected I/O to operation.

Acceptance checkpoints

Before energization	Verify the ANB10 node, FCU-side ESB coupler and each assigned bus path.
Configuration review	Record the paired interface where fitted, node power modules, connectors and supported I/O inventory.
Functional release	Verify node communication and configured redundant-path behavior, then check the installed I/O data at the FCU.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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Apply manufacturer instructions and approved site procedures.

05 / Service record and technical references

Lifecycle and support

The current manufacturing and service-support phase for this complete offered reference has not been confirmed.

Technical basis

Yokogawa ANB10S/ANB10D ESB Bus Node Units, GS 33J60F20-01EN, 8th edition; FIO System Overview, GS 33J60A10-01EN.

Applicability

The technical data describes the SB401 base design. Match the complete SB401-10 S1 marking, style and installed configuration; do not transfer later suffix approvals or ratings automatically.

Related portfolio references

Yokogawa S9129FA

Yokogawa ADV551-P10 S2

Yokogawa PW401-S2

Yokogawa AIP830-101 S2

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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Apply manufacturer instructions and approved site procedures.