SB401-10 S1

01 / Product identity and control context

ESB Interface Module

Yokogawa SB401-10 S1 is an ESB bus interface slave module for CENTUM FIO node communication. It connects the supported node assembly to the ESB path from the control station.

Key characteristics

Product type	ESB bus interface slave module
System family	CENTUM FIO
Node relationship	ANB10S / ANB10D base configuration
Redundant arrangement	Two interfaces in a dual node

Functional relationship



Complete identity

Match SB401-10 S1 and all style or revision markings to the installed interface.

Configuration 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.

SB401-10 S1

02 / Technical characteristics

Hardware and functional data

Product series	CENTUM FIO
Reference design	SB401
Module role	ESB bus interface slave
Installation context	ANB10S / ANB10D node design

Interfaces and operating conditions

Bus relationship	Node-side ESB interface to FCU
Dual node interface arrangement	Two SB401 modules
Field-signal processing	By the separately installed I/O modules
Assembly relationship	Node base, power supplies and I/O modules

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03 / Application and integration contexts

ESB node data exchange

Provide the node-side bus interface between the supported ANB10 assembly and its FCU, preserving the installed communication path.

Dual-path node support

Use the corresponding pair of slave interfaces in a configured dual-redundant ANB10D assembly, with matching FCU-side paths.

Node relationship

Verify the ANB10 node, FCU-side ESB coupler and each assigned bus path.

FIO communication maintenance

Replace an identified node interface while preserving node settings, cable identification and the installed module inventory.

Control cabinet integration

Coordinate the interface with node power supplies, base and allowed field modules. The interface alone does not define the complete node capability.

Assembly configuration

Record the paired interface where fitted, node power modules, connectors and supported I/O inventory.

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04 / Installation and release decisions

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.

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.

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.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

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

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

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

Related product references

Yokogawa S9129FA

Yokogawa ADV551-P10 S2

Yokogawa PW401-S2

Yokogawa AIP830-101 S2

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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