Yokogawa SR1B-045N-1KC

Complete Product Information

SR1B-045N-1KC forms a backplane-to-field I/O boundary in the assigned station, so channel mapping, terminal wiring and variant identity must be preserved as one maintenance record.

WHAT THIS PRODUCT DOES

Yokogawa SR1B-045N-1KC is a legacy DCS I/O module whose complete variant code defines the installed hardware execution.

Product characteristic 1

Interfaces the installed DCS backplane with assigned field channels.

Product characteristic 2

Uses the complete 045N-1KC variant for hardware matching.

Product characteristic 3

Retains channel mapping through the station configuration.

Product characteristic 4

Requires field-power and terminal assignments to be controlled during service.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Module class	DCS I/O
System scope	Legacy Yokogawa CENTUM
Installation	Backplane I/O position
Configuration scope	Channel and field-terminal assignment
Maintenance method	Exact-variant replacement
Product role	DCS I/O Module

IMPORTANT NOTICE

Preserve the complete SR1B-045N-1KC identity and verify its documented electrical, network or signal response before release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Module class	DCS I/O
System scope	Legacy Yokogawa CENTUM
Installation	Backplane I/O position
Configuration scope	Channel and field-terminal assignment
Maintenance method	Exact-variant replacement

FEATURE INTERPRETATION

Product identity

Interfaces the installed DCS backplane with assigned field channels.

System role

Uses the complete 045N-1KC variant for hardware matching.

Service context

Retains channel mapping through the station configuration.

Return-to-service focus

Requires field-power and terminal assignments to be controlled during service.

SIGNAL OR CONTROL PATH

Field connection → **I/O module** → **Rack interface** → **Monitor channel**

SR1B-045N-1KC should be matched to the documented system position, companion hardware and retained project configuration before the channel or station is returned to control.

PRODUCT-PAGE TECHNICAL QUESTIONS

What hardware boundary is served by Yokogawa SR1B-045N-1KC?	It provides the installed DCS I/O interface between the station backplane and assigned field channels.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Legacy DCS I/O repair

Restores the documented field-interface position.

Channel fault isolation

Separates module faults from field wiring and rack power problems.

Maintenance spare control

Keeps an exact variant available for the installed station.

I/O migration survey

Captures channel function and wiring before system modernization.

APPLICATION VERIFICATION MAP

Legacy DCS I/O repair	Confirm the documented system position and the required operating function.
Channel fault isolation	Compare the restored connection or control path with the approved record.
Maintenance spare control	Check the physical interface and the retained configuration before startup.
I/O migration survey	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Which records should be captured from Yokogawa SR1B-045N-1KC before removal?	Capture rack and slot, channel map, terminal numbers, external power, commons, shields and configured signal types.
How should field power be treated around Yokogawa SR1B-045N-1KC?	Identify and isolate every field source separately from rack power before disconnecting the module or terminals.
What connector faults can imitate a Yokogawa SR1B-045N-1KC failure?	Bent contacts, incomplete backplane engagement, loose terminal hardware and damaged cable retention can produce channel or module diagnostics.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the entire SR1B-045N-1KC label.
02	Record every used channel and terminal assignment.
03	Place process loops in the approved maintenance state.
04	Isolate field and rack power before disconnecting hardware.
05	Label commons, shields and external power conductors.
06	Inspect backplane and terminal contacts for damage.
07	Restore the retained channel configuration without copying another module.
08	Test each used point, diagnostics, alarms and interlocks before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What hardware boundary is served by Yokogawa SR1B-045N-1KC?	It provides the installed DCS I/O interface between the station backplane and assigned field channels.
Why must the 045N-1KC portion of Yokogawa SR1B-045N-1KC be retained?	The complete variant code identifies the installed execution and controls replacement matching.
Which records should be captured from Yokogawa SR1B-045N-1KC before removal?	Capture rack and slot, channel map, terminal numbers, external power, commons, shields and configured signal types.
How should field power be treated around Yokogawa SR1B-045N-1KC?	Identify and isolate every field source separately from rack power before disconnecting the module or terminals.

IMPORTANT NOTICE	Confirm the complete SR1B-045N-1KC marking, assigned system position and mating interfaces before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

What connector faults can imitate a Yokogawa SR1B-045N-1KC failure?	Bent contacts, incomplete backplane engagement, loose terminal hardware and damaged cable retention can produce channel or module diagnostics.
How is channel configuration restored for Yokogawa SR1B-045N-1KC?	Load or enter the retained module-specific settings and compare every channel with the approved station record.
Which point test is appropriate after fitting Yokogawa SR1B-045N-1KC?	Exercise each used input or output through its documented operating states while observing controller indication and field response.
What final evidence releases Yokogawa SR1B-045N-1KC?	Normal module diagnostics, correct channel values, verified alarms and successful interlock or output tests complete acceptance.

CONFIGURATION CONTROL RECORD

Configuration identity	Yokogawa SR1B-045N-1KC
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Yokogawa PW401 S2	Related product reference. Review the complete ordering string before selection.
Yokogawa PW404 S1	Related product reference. Compare the required interface and system position.
Yokogawa A2EE1A-T	Related product reference. Confirm the execution independently for the intended task.

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