Yokogawa SR1220E2 SR1220E2-3SN

Technical Reference

Yokogawa SR1220E2 SR1220E2-3SN is a legacy control-card assembly identified by its board code and complete variant marking.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Performs the retained control-card function in the installed station.

Feature 2

Uses a complete board and variant identity for replacement control.

Feature 3

Exchanges power and signals through the system backplane.

Feature 4

Requires the associated configuration and companion-card record to be preserved.

VERIFIED DATA SNAPSHOT

Hardware class	Control card
Installation	Legacy control-system backplane
Execution	SR1220E2-3SN variant
Configuration scope	Installed station control function
Maintenance method	Like-for-like board replacement
Product role	Control Card

SYSTEM RELATIONSHIP

Field device → **Product interface** → **System channel** → **Verified response**

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Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Hardware class	Control card
Installation	Legacy control-system backplane
Execution	SR1220E2-3SN variant
Configuration scope	Installed station control function
Maintenance method	Like-for-like board replacement

SELECTION ANCHORS

- Performs the retained control-card function in the installed station.
- Uses a complete board and variant identity for replacement control.
- Exchanges power and signals through the system backplane.
- Requires the associated configuration and companion-card record to be preserved.

IMPORTANT NOTICE	Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

CONFIGURATION CONTROL

Configuration identity	Yokogawa SR1220E2 SR1220E2-3SN
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.

ADDITIONAL ENGINEERING CHECKS

What startup evidence is expected from Yokogawa SR1220E2 SR1220E2-3SN?	The board should reach its documented normal indication and exchange data without rack or communication diagnostics.
Which functional test closes service on Yokogawa SR1220E2 SR1220E2-3SN?	Verify affected I/O values, control calculations, alarms, interlocks and communication paths against the retained station record.

System role and architecture

Field device → **Product interface** → **System channel** → **Verified response**

APPLICATION POINTS

Legacy controller repair

Restores a documented control-card position after board-level failure.

Station spare planning

Keeps a verified variant for the installed hardware release.

Backplane fault isolation

Separates card failure from rack power or connector problems.

Modernization survey

Captures the board function and system dependency before migration.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

SR1220E2 SR1220E2-3SN should be matched to the documented system position, companion hardware and retained project configuration before the channel or station is returned to control.

ENGINEERING REVIEW QUESTIONS

Why are two markings retained for Yokogawa SR1220E2 SR1220E2-3SN?	The board code and full variant marking together identify the installed control-card execution.
Which slot information should accompany Yokogawa SR1220E2 SR1220E2-3SN?	Record the rack, backplane slot, adjacent cards and connector orientation before removal.
What configuration should be preserved for Yokogawa SR1220E2 SR1220E2-3SN?	Save the station database, board-specific parameters and all related communication settings available for the installed system.
How should outputs be handled while Yokogawa SR1220E2 SR1220E2-3SN is offline?	Transfer affected loops and interlocks to the approved safe maintenance condition before power removal.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Record both SR1220E2 and SR1220E2-3SN markings.
02	Capture the exact backplane slot and adjacent card arrangement.
03	Back up all available station configuration before shutdown.
04	Place controlled outputs and interlocks in a safe maintenance state.
05	Remove rack power and use ESD protection.
06	Inspect backplane contacts without bending or cleaning them abrasively.
07	Restore the documented board execution and configuration.
08	Verify startup, communication, I/O exchange and control response before release.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE Confirm the complete SR1220E2 SR1220E2-3SN marking, assigned system position and mating interfaces before installation.

APPLICATION BOUNDARIES

Legacy controller repair	Restores a documented control-card position after board-level failure.
Station spare planning	Keeps a verified variant for the installed hardware release.
Backplane fault isolation	Separates card failure from rack power or connector problems.
Modernization survey	Captures the board function and system dependency before migration.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

Why are two markings retained for Yokogawa SR1220E2 SR1220E2-3SN?	The board code and full variant marking together identify the installed control-card execution.
Which slot information should accompany Yokogawa SR1220E2 SR1220E2-3SN?	Record the rack, backplane slot, adjacent cards and connector orientation before removal.
What configuration should be preserved for Yokogawa SR1220E2 SR1220E2-3SN?	Save the station database, board-specific parameters and all related communication settings available for the installed system.
How should outputs be handled while Yokogawa SR1220E2 SR1220E2-3SN is offline?	Transfer affected loops and interlocks to the approved safe maintenance condition before power removal.
Which backplane checks are suitable for Yokogawa SR1220E2 SR1220E2-3SN?	Inspect alignment, connector damage, retention and rack power without altering adjacent hardware.
Why is revision matching important for Yokogawa SR1220E2 SR1220E2-3SN?	Legacy control cards may depend on the installed station release, backplane execution and companion hardware.

RELATED MODELS ON APTERPOWER

Yokogawa ADV161-P50 S2	Related product reference. Review the complete ordering string before selection.
Yokogawa SDV161-P50 S2	Related product reference. Compare the required interface and system position.
Yokogawa ADV859-P00 S1	Related product reference. Confirm the execution independently for the intended task.

CONFIGURATION AND SELECTION RECORD

Configuration identity	Yokogawa SR1220E2 SR1220E2-3SN
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
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