GE IS220YDOAS1AJ

Safety Output Pack / Work scope and retained evidence

Installation control preserves the safety application, field-output mapping, terminal-board pairing and independent load isolation.

PREPARATION 1

Read the complete IS220YDOAS1AJ identifier from the pack.

PREPARATION 2

Record the approved TRLYS terminal-board reference and connector position.

PREPARATION 3

Place the safety function in its approved maintenance state.

PREPARATION 4

Isolate pack power and every independently supplied output circuit.

Retain	Exact label, position and approved configuration
Protect	Personnel, process, contacts and field circuits
Record	Wiring, addresses, project and observed baseline
Release	Only after witnessed diagnostics and functional checks

Pre-work boundary

No conductor, memory device, network setting or terminal position is changed until its installed identity has been captured in the maintenance record.

Work package	Exact GE IS220YDOAS1AJ scope
System owner	Responsible person for the affected Mark VIeS installation
Backup owner	Named custodian of the validated software or configuration copy
Field witness	Person confirming conductor, connector and terminal identity
Release witness	Person approving diagnostics and the final functional test

READY TO REMOVE

Isolation, backups, labels and baseline observations are complete.

NOT READY

Any unresolved identity, connection or project discrepancy stops the work.

GE IS220YDOAS1AJ

Safety Output Pack / Mechanical and electrical preparation

FIELD CONTROL 1

Retain output mapping, voting context and cause-and-effect references.

FIELD CONTROL 2

Inspect connectors, grounding and terminal-board condition before seating.

FIELD CONTROL 3

Restore only the validated safety application and channel assignment.

FIELD CONTROL 4

Witness every affected output and final safety response before release.

Identity check	IS220YDOAS1AJ
Configuration set	Project, channel, address or interface data retained
Physical record	Slot, terminal, connector and cable positions captured
Energy control	Rack, field and connected process sources isolated
Handling	Grounded ESD and protected contacts
Inspection	No contamination, damage or loose termination

Installation decision

Proceed only when the replacement identity and every required restoration record are available at the work location.

Mechanical fit	Mounting, rack seating, cutout or terminal mating confirmed
Electrical fit	Supply, polarity, commons, ranges and protection checked
Information fit	Addresses, project, memory or runtime application retained
Environmental fit	Enclosure, grounding, contamination and cable condition reviewed
Service fit	Test equipment, approved procedure and rollback plan available

PRE-ENERGIZATION HOLD

Keep IS220YDOAS1AJ de-energized until every fit check is signed.

RESTORATION BASIS

Return connections and configuration to the captured approved baseline only.

GE IS220YDOAS1AJ

Safety Output Pack / Controlled restoration

1 / isolate	Apply the approved machine, rack and field energy controls.
2 / capture	Record exact identity, connections, software and observed baseline.
3 / exchange	Protect contacts and restore the documented physical arrangement.
4 / configure	Apply only the validated project, addresses, ranges or runtime files.
5 / diagnose	Review module, network and system indicators before operation.
6 / prove	Witness each required field response and retain the acceptance record.

STOP CONDITION

Pause when an identifier, conductor, project or interface does not match the approved record.

ESCALATION

Resolve discrepancies through engineering review before power or process control is restored.

Controlled restoration

For IS220YDOAS1AJ, restoration is controlled as a chain: captured physical arrangement, validated configuration, correct seating or termination, healthy diagnostics and proven system response.

Visual inspection	No bent contacts, damaged threads, contamination or trapped conductor
Connection inspection	Every connector, screw or memory device is fully seated
Configuration inspection	Loaded revision and settings match the retained baseline
Diagnostic inspection	Status indications are interpreted before field operation
Functional inspection	Required response is proved without bypassing safeguards

ROLLBACK POINT

Stop and return to the safe state if any restoration check fails.

TRACEABILITY

Attach readings, screenshots or observations to the IS220YDOAS1AJ work order.

GE IS220YDOAS1AJ

Safety Output Pack / Commissioning sequence

Pre-work	Identity, backups, wiring and energy controls complete
Post-install	Seating, terminals, grounding and configuration verified
Diagnostics	Relevant module, network and system status reviewed
Functional proof	Required inputs, outputs, communications or HMI actions witnessed
Handover	Exceptions, measurements and restored revision recorded

Commissioning questions

What function is documented for GE IS220YDOAS1AJ?

It is a Mark VIeS safety discrete output I/O pack in the YDOAS1A family.

What supply range applies to GE IS220YDOAS1AJ?

The YDOAS1A family is rated for 27.4 to 28.6 V DC with a 28.0 V DC nominal supply.

Which ambient range is published for GE IS220YDOAS1AJ?

The equipment guide lists -30 to +65 degrees Celsius for the YDOAS1A family.

What safety records must be retained for GE IS220YDOAS1AJ?

Retain the channel assignment, voting context, cause-and-effect record, output wiring and validated application revision.

Which terminal boards are approved with GE IS220YDOAS1AJ?

The official guide lists the IS200TRLYS1F, IS200TRLYS2F, IS400TRLYS1F and IS400TRLYS2F families for YDOAS1A.

What maximum pack current is listed for GE IS220YDOAS1AJ?

The published maximum supply current is 0.71 A DC.

Why must the terminal board be recorded for GE IS220YDOAS1AJ?

The pack operates through an approved relay terminal board whose circuit arrangement defines the field interface.

How is GE IS220YDOAS1AJ functionally accepted?

Prove each affected output and the intended safety response under the approved test procedure before release.

Decision closeout

Close the IS220YDOAS1AJ work order with isolation removal, restored settings, inspection results and every required functional witness documented.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The IS220YDOAS1AJ decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

GE IS220YDOAS1AJ

Safety Output Pack / Handover and support

Work identity	GE IS220YDOAS1AJ
Precondition	Safe state plus complete restoration record
Installation evidence	Position, terminals, cables, settings and software baseline
Commissioning evidence	Diagnostics plus witnessed functional result
Handover	Recorded revision, exceptions and responsible approval

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

GE IS200EXAMG1A	View GE IS200EXAMG1A page
GE IS200BICLH1AED	View GE IS200BICLH1AED page

MANUFACTURER EVIDENCE RECORD

GEH-6725R Mark VIe and Mark VIeS Controls Equipment Guide

YDOAS1A hardware combinations, electrical ratings and ambient range

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Send the exact model, quantity, destination and requested condition for a quotation.