GE SR760 760-P1-G1-S1-HI-A20-R

Feeder Management Relay

GE Multilin SR760 760-P1-G1-S1-HI-A20-R is a feeder-management relay with autoreclose, 1 A phase, ground and sensitive-ground current inputs, high-range control power and eight 4–20 mA analog outputs.

01	02	03	04
SR760 feeder protection with autoreclose	P1, G1 and S1 one-ampere current-input options	HI wide-range ac/dc control power	Eight A20 4–20 mA analog outputs

System position

Phase, ground and sensitive-ground CT circuits	SR760 measurement and protection elements	Trip / reclose control logic	Breaker, alarms and eight analog outputs

Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

Model-specific release focus

- SR760 feeder protection with autoreclose
- P1, G1 and S1 one-ampere current-input options
- HI wide-range ac/dc control power
- Eight A20 4–20 mA analog outputs

02 / CAPABILITY MAP

Engineering domains and architecture

Base relay	760 feeder management relay with autoreclose
Phase-current option	P1: 1 A phase current inputs
Zero-sequence option	G1: 1 A zero-sequence current input
Sensitive-ground option	S1: 1 A sensitive-ground current input

DC control power	HI: 88 to 300 V dc
AC control power	HI: 70 to 265 V ac, 48 to 62 Hz
Analog-output option	A20: eight 4 to 20 mA outputs
Breaker-closed indicator	R: red LED

Interface architecture

Phase CT inputs

P1 one-ampere secondary circuits

Ground inputs

G1 zero-sequence and S1 sensitive-ground one-ampere circuits

Auxiliary power

HI ac/dc supply range

Analog outputs

Eight isolated 4–20 mA channels selected by A20

Interface evidence for acceptance

- Phase CT inputs: P1 one-ampere secondary circuits
- Ground inputs: G1 zero-sequence and S1 sensitive-ground one-ampere circuits
- Auxiliary power: HI ac/dc supply range
- Analog outputs: Eight isolated 4–20 mA channels selected by A20

03 / INTEGRATION AND APPLICATIONS

Use cases with controlled scope

Feeder protection

Applies coordinated phase and ground protection to medium-voltage feeders.

Automatic reclosing

Supervises breaker trip and programmed reclose sequences.

Sensitive ground detection

Uses the S1 one-ampere input for low-level ground-fault measurement.

Plant analog integration

Transmits selected measurements over eight 4–20 mA output channels.

INTEGRATION CHECKPOINTS

Identity

GE SR760 760-P1-G1-S1-HI-A20-R is preserved in full.

Host system

Rack, slot and surrounding hardware are verified.

Configuration

Project, firmware and settings are recorded.

Acceptance

Functional evidence is captured before release.

System relationship

Phase, ground and sensitive-ground CT circuits	SR760 measurement and protection elements	Trip / reclose control logic	Breaker, alarms and eight analog outputs

Configuration-control record

- DC control power: HI: 88 to 300 V dc
- AC control power: HI: 70 to 265 V ac, 48 to 62 Hz
- Analog-output option: A20: eight 4 to 20 mA outputs
- Breaker-closed indicator: R: red LED

Decision matrix

Question	Answer
What does the 760 code mean in GE SR760 760-P1-G1-S1-HI-A20-R?	760 identifies the feeder-management relay version with autoreclose.
Which phase-current input is fitted to GE SR760 760-P1-G1-S1-HI-A20-R?	P1 specifies 1 A phase-current inputs.
What do G1 and S1 select on GE SR760 760-P1-G1-S1-HI-A20-R?	G1 selects a 1 A zero-sequence input and S1 selects a 1 A sensitive-ground input.
What control-power range applies to GE SR760 760-P1-G1-S1-HI-A20-R?	HI accepts 88–300 V dc or 70–265 V ac at 48–62 Hz.

Eight release precautions

1

Short and isolate CT secondary circuits before disconnecting GE SR760 760-P1-G1-S1-HI-A20-R.

2

Confirm all phase, zero-sequence and sensitive-ground sources are 1 A secondary circuits.

3

Verify the HI auxiliary supply is within the stated ac or dc range before energization.

4

Back up settings, logic, relay assignments, reclose sequence and calibration data before replacement.

5

Maintain CT polarity and phase order when reconnecting P1, G1 and S1 inputs.

6

Scale each A20 channel for 4–20 mA operation at the receiving system before loop testing.

7

Block breaker operation during secondary-injection and output-relay tests unless the approved plan requires movement.

8

Complete protection, trip, reclose, metering, LED and analog-output tests before service release.

Commissioning decision points

- Maintain CT polarity and phase order when reconnecting P1, G1 and S1 inputs.
- Scale each A20 channel for 4–20 mA operation at the receiving system before loop testing.
- Block breaker operation during secondary-injection and output-relay tests unless the approved plan requires movement.
- Complete protection, trip, reclose, metering, LED and analog-output tests before service release.

Product verification and support

Apter Power verification record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
GE IC698ETM001	Portfolio reference only; verify compatibility independently.
GE IS200VRTDH1DAC	Portfolio reference only; verify compatibility independently.
GE product catalog	Portfolio reference only; verify compatibility independently.

	Apter Power technical and sourcing support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com Scan for the Apter Power contact page.	Model record GE SR760 760-P1-G1-S1-HI-A20-R Feeder Management Relay Verify the complete nameplate before installation.

Handover evidence to retain

- Exact identity retained: GE SR760 760-P1-G1-S1-HI-A20-R
- SR760 measurement and protection elements
- Trip / reclose control logic
- Archive as-left checks and measured results before release.