General Electric 8115-DO-DC-01

Complete Product Information

8115-DO-DC-01 is an eight-channel, 2-60 Vdc PAC8000 discrete output module for switching relays, solenoids and other DC loads. Its shared field supply and current limits must be checked against both steady-state and inrush demand.

01 Product identity and verified data

Complete model	8115-DO-DC-01
Product type	PAC8000 8-Channel DC Discrete Output Module
Manufacturer	General Electric
Technical source	GE Intelligent Platforms PAC8000 8115-DO-DC datasheet
Output channels	8
Load-voltage range	2 to 60 Vdc
Output isolation	Non-isolated
Continuous current per channel	1 A
Inrush per channel	4 A below 100 ms; 6 A below 20 ms
Module continuous-current total	6 A
Module inrush total	10 A below 100 ms; 18 A below 20 ms
ON-state voltage drop	0.25 V maximum

Engineering purpose

The module switches eight non-isolated DC loads and supports discrete, momentary and continuous-pulse output behavior through the PAC8000 Railbus.

Selected order-code snapshot

Output capability	Eight 2-60 Vdc channels rated 1 A continuous each with defined short inrush limits
Module load boundary	6 A continuous total; 10 A below 100 ms or 18 A below 20 ms for inrush
Control modes	Discrete, momentary or continuous-pulse operation with 2 ms to 130 s timing

02 Technical capability and engineering overview

OFF-state leakage	1 mA maximum
Pulse duration range	2 ms to 130 s
Output response	1 ms maximum
Railbus current	45 mA typical; 70 mA maximum

Module key	B6
Published module width	42 mm
Published unit weight	200 g
General-purpose terminals	8604-FT-FU or 8602-FT-ST
Hazardous-area terminals	8611-FT-FU or 8610-FT-NA

Evidence boundary

The public datasheet defines the 8115-DO-DC base module; -01 is preserved as the complete offered identity without inventing an option decode.

Engineering overview

The channel rating does not override the 6 A continuous module limit. Sum all load currents and evaluate simultaneous coil or lamp inrush before assigning the eight outputs.

Fail-safe behavior may hold the last value or drive a predefined state according to the stored PAC8000 configuration. Recover this behavior before connecting process loads.

Terminal-unit selection depends on the installation classification. Confirm B6 keying and whether the panel uses the general-purpose or hazardous-area terminal family.

Application map

Relay and solenoid switching

Drive 2-60 Vdc coils whose continuous and inrush demand remains within channel and module limits.

Momentary command outputs

Use the 2 ms to 130 s timing range for documented start, reset or trip pulses.

Fail-safe actuator states

Restore the predefined or last-value fallback required by the process risk assessment.

PAC8000 DC load banks

Allocate simultaneous outputs so the shared field supply and 6 A module total are not exceeded.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 8115-DO-DC-01 and the documented GE PAC8000 Remote I/O discrete output modules context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.
Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

Match the B6 keyed slot, selected terminal unit, 2-60 Vdc supply, eight output loads and stored fail-safe/pulse parameters.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact offered identity	The complete marking is 8115-DO-DC-01; published electrical data is for base module 8115-DO-DC.

Evidence boundary	Suffix -01 is not decoded beyond the supplied marking without an exact GE option record.
Replacement rule	Match voltage/current limits, B6 keying, terminal class, fail-safe state and pulse behavior.

Available unit details

Supply scope	One 8115-DO-DC-01 output module; terminal unit, fusing and field supply are separate unless quoted.
Unit evidence	Request the complete label, B6 key, Railbus connector and terminal-side photographs.
Load evidence	Keep the eight-channel load schedule, inrush calculation and fail-safe configuration with the order.

Source and applicability record

Verified source	GE Intelligent Platforms PAC8000 8115-DO-DC datasheet
Applicability boundary	The public datasheet defines the 8115-DO-DC base module; -01 is preserved as the complete offered identity without inventing an option decode.
Product family	GE PAC8000 Remote I/O discrete output modules

Additional related product references

Related product	General Electric IS420ESWBH3AX
Related product	General Electric DS200DSPCH1AEA
Related product	General Electric IS220PTURH1A
Related product	General Electric 531X133PRUALG1

Product-specific purchasing decisions

How many outputs are provided by 8115-DO-DC-01?	The base module provides eight DC output channels.

Model-specific release records

Load schedule	Record voltage, steady current and inrush for every connected output.
Logic schedule	Archive initialization, fallback, pulse mode and duration.
Functional test	Record command, terminal voltage, process feedback and diagnostic result per channel.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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