General Electric 8617-FT-NI

Complete Product Information

GE 8617-FT-NI is the non-incendive PAC8000 field terminal used beneath a compatible 16-channel digital-input module. It provides the field-wiring landing and mechanical interface while the removable I/O module carries channel electronics.

01 Product identity and verified data

Complete model	8617-FT-NI
Product type	non-incendive field terminal for digital input module
Manufacturer	General Electric
Technical source	PAC8000 Process I/O System Datasheet
Component role	Non-incendive field terminal
Compatible I/O position	16-channel digital input
Mounting system	PAC8000 DIN-rail I/O carrier arrangement
Module service feature	Hot swap supported by the PAC8000 family when site procedure permits
Family operating temperature	-40 to +70 deg C
Family shock withstand	30 g
Family vibration withstand	5 g
Family area context	Class I Division 2 / Zone 2 system options

Engineering purpose

The FT-NI identity is the decisive feature: hazardous-area wiring practice, terminal position and mating module must match the PAC8000 node drawing before the base is installed.

Selected order-code snapshot

Terminal identity	8617 FT-NI non-incendive base for a 16-channel digital-input position.
Architecture role	Field conductors land on the terminal while the I/O electronics remain in the mating module.
Area boundary	Apply only with the approved PAC8000 module, carrier and hazardous-area drawing.

02 Technical capability and engineering overview

Terminal identity	8617 FT-NI non-incendive base for a 16-channel digital-input position.
Architecture role	Field conductors land on the terminal while the I/O electronics remain in the mating module.
Area boundary	Apply only with the approved PAC8000 module, carrier and hazardous-area drawing.

Evidence boundary

The PAC8000 literature identifies 8617-FT-NI as a non-incendive field terminal for the 16-channel digital-input position; module electrical values are stated only as compatible-module context, not as terminal ratings.

Engineering overview

The field terminal preserves wiring when the removable module is serviced. Terminal numbering and channel assignment must therefore be recorded independently from the module label.

Non-incendive suitability belongs to the complete installed combination and wiring method. The FT-NI marking alone does not approve an arbitrary module or field circuit.

PAC8000 hot-swap capability is a system feature, but removal remains subject to the site area classification, energy-control procedure and approved module instructions.

Application map

PAC8000 digital-input marshalling

Land 16 discrete field circuits according to the exact channel and common arrangement.

Non-incendive Zone 2 node

Use only where the selected module, carrier and field wiring appear on the approved control drawing.

Module maintenance base

Retain field conductors while exchanging the compatible I/O electronics under the authorized procedure.

Remote process-I/O cabinet

Mount on the specified DIN-rail carrier with accessible channel labels and segregation.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 8617-FT-NI and the documented PAC8000 process I/O field-terminal family 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

Use 8617-FT-NI at the documented PAC8000 16-channel digital-input position with the approved mating module and non-incendive wiring drawing.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact component	8617-FT-NI is the non-incendive field terminal, not the electronics module.
Compatibility dependency	The installed 16-channel DI module and carrier define the usable assembly.
Wiring record	Channel numbers, commons and area segregation are the critical service data.
Exchange gate	Withhold release when mating-module identity or terminal map is unavailable.

Available unit details

Included item	Non-incendive PAC8000 field-terminal base.

Buyer checks	Confirm full marking, terminal screws, channel labels and mating contacts.
Separate items	I/O module, carrier, DIN rail and field connectors are separate unless listed.

Source and applicability record

Verified source	PAC8000 Process I/O System Datasheet
Applicability boundary	The PAC8000 literature identifies 8617-FT-NI as a non-incendive field terminal for the 16-channel digital-input position; module electrical values are stated only as compatible-module context, not as terminal ratings.
Product family	PAC8000 process I/O field-terminal family

Additional related product references

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

Product-specific purchasing decisions

What is 8617-FT-NI?	It is a PAC8000 non-incendive field terminal for a compatible 16-channel digital-input position.
Is 8617-FT-NI the digital-input electronics module?	No. It is the field-wiring base; the removable mating module contains the I/O electronics.
Where is 8617-FT-NI mounted?	It installs in the PAC8000 DIN-rail carrier arrangement at the documented I/O position.
Can 8617-FT-NI be used with any PAC8000 module?	No. Verify the exact 16-channel DI module and carrier compatibility.
Does 8617-FT-NI alone establish hazardous-area approval?	No. Approval depends on the complete system combination and approved wiring method.
What must be photographed on 8617-FT-NI?	Capture full marking, terminal numbering, conductor positions and mating contacts.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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