01 / Product and system dashboard

GENERAL ELECTRIC

IS220PTURH1A

Turbine Trip Module

Product role

General Electric IS220PTURH1A is a Mark VIe turbine-specific primary-trip module used with the IS200TRPAH1A terminal board.

Turbine signals
Speed / voltage / E-stop

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PTUR + TRPA
Primary-trip arrangement

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Trip circuit
Validated protective action

Engineering scope

The electrical values apply to IS220PTURH1A with the IS200TRPAH1A accessory terminal board. They are connection ratings for that arrangement, not proof of supplied terminal-board inclusion or an independent system safety rating.

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
Control platform	Mark VIe	Speed input range	−15 to +15 V DC
Function	Turbine-specific primary trip	Voltage input range	16–140 V DC
Accessory terminal board	IS200TRPAH1A	Emergency-stop input	18–140 V DC
Power supply	28 V DC	E-stop power output	28 V DC open circuit; 17 mA DC short circuit
Supply current	0.41 A DC	Contact output	28 V DC, 7 A DC

Configuration boundary

The electrical values apply to IS220PTURH1A with the IS200TRPAH1A accessory terminal board. They are connection ratings for that arrangement, not proof of supplied terminal-board inclusion or an independent system safety rating.

03 / Applications and system integration

Turbine primary trip

Integrate the PTUR module in the approved Mark VIe turbine trip arrangement.

Speed-signal integration

Match the speed-signal circuit to the specified input range and terminal assignments.

Emergency-stop circuits

Review input and power-output boundaries against the complete emergency-stop wiring.

Protection maintenance

Retain the PTUR and TRPA pairing and validate trip behavior under the authorized test procedure.

Functional context

The paired arrangement is rated for a 28 V DC power supply at 0.41 A DC. Its speed input is specified from −15 to +15 V DC, voltage input from 16 to 140 V DC and emergency-stop input from 18 to 140 V DC. These interface ranges serve different circuits and must not be interchanged when checking the installed terminations.

04 / Service and installation decisions

Confirm the board pairing

Use the specified IS200TRPAH1A terminal-board arrangement.

Isolate trip circuits

Follow the site procedure before disturbing powered protection or emergency-stop wiring.

Distinguish input ranges

Do not interchange speed, voltage and emergency-stop input circuits.

Interpret boundary ratings

Keep open-circuit voltage separate from short-circuit current when reviewing the E-stop output.

Check the contact load

Review the 28 V DC, 7 A DC contact-output rating with the connected load and circuit protection.

Test the full function

Validate the complete turbine trip arrangement before release; a module replacement is not a system-level acceptance test.

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete IS220PTURH1A identity. Apter Power availability is confirmed separately in the quotation.

Reference basis

GE Mark VIe Programmable Controller System, DEMKO 12 ATEX 1114875X Rev. 18.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

General Electric IS220YDIAS1AK

General Electric IS220YDOAS1AJ

General Electric IS200SRLYH2AAA

Discuss your installed configuration

Send the full unit marking and connection details.

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