HIMA F3325

6-Channel Intrinsically Safe Power Supply Module

A six-channel intrinsically safe transmitter supply associated with F6221 inputs. Its job is field-transmitter power, not general-purpose digital load switching.

Approved transmitter feed → **F3325 six-channel (Ex)i supply** → **Field transmitters and F6221 input arrangement**

Identity and capability

Product role	Intrinsically safe transmitter supply
Supply channels	6
Companion input module	F6221
Catalogue output limit	Up to 22 V

Integration and service

Catalogue load limit	Up to 60 mA
Safety listing	SIL 3
Hazardous-area listing	ATEX / (Ex)i context
Slot detection in catalogue	Not listed as present

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Engineering distinctions

Supply role

Do not select F3325 as a digital output card simply because the catalogue groups it near output modules. The exact row identifies transmitter supply.

Voltage/current limits

The catalogue values are component limits, not approval of a complete intrinsically safe loop. Use the applicable circuit design for final entity and load checks.

Channel-count mismatch

Six supply channels do not cover eight F6221 inputs automatically. Keep the feed map explicit and retain any independently powered loops.

Signal and energy paths

Separate feed verification from analog-value acceptance. A powered transmitter can still have an incorrect input range or signal assignment.

Required integration outcomes

Subject	Required outcome
Supply identity	Six-channel F3325 role and F6221 association agree
Load design	Transmitter circuit stays within its approved design
Polarity and allocation	Each feed reaches its intended transmitter
Measured response	Powered transmitter and mapped input give the intended value
Ex acceptance	Loop documentation and witnessed result are complete

Use the approved site procedure for trip thresholds, hazardous-area approval and permission to work. This dossier does not assign plant-specific limits.

Applied engineering case

Diagnose transmitter power and measured analog value as separate paths. A correct feed does not establish correct input scaling, and a plausible input value does not prove that the transmitter supply and hazardous-area circuit match the approved design.

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Technical reference record

H41q/H51q System Catalogue, HI 800 263 E

PDF pp. 34, 44-46, 54; F3325 supply limits and I/O workflow

Technical Product Overview

F3325 transmitter supply for F6221, SIL 3 and ATEX context

Companion reading

The preserved manufacturer excerpt supplies the original technical listing and system context. The separate installation guide covers the ordered work sequence, commissioning evidence and fault checks.

Related Apter Power catalog references

Catalog navigation only. These entries do not establish compatibility, substitution or approval of a changed installation.

HIMA F3322 | View HIMA F3322 page

HIMA F3330 | View HIMA F3330 page

HIMA F7133 | View HIMA F7133 page

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

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

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