HIMA F3325

6-Channel Intrinsically Safe Power Supply Module

01 / PREPARATION AND PHYSICAL WORK

This field guide organizes the work for HIMA F3325. It is an Apter Power engineering aid, not a substitute for the applicable operating manual or the approved plant work procedure.

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

Preparation decisions

01 / Retain the supply map

Identify all six feed assignments, transmitter identities and the corresponding F6221 input destinations.

02 / Review the hazardous-area design

Check the approved loop and associated-apparatus record before changing any feed connection.

Baseline to compare before disturbance

Check	Baseline / acceptance evidence
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

03 / Establish the safe work state

Isolate the affected field energy paths according to the controlled work procedure before releasing terminals or connectors.

04 / Preserve conductor assignment

Record feed polarity and loop identity. Keep disconnected circuits protected and do not infer a common connection from another module.

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05 / Restore the supply arrangement

Seat and secure the module and allocated connector, then verify the intended feed path against the retained diagram.

06 / Accept the complete loop

Verify feed behavior and the associated analog signal and diagnostics, with the approved safety-function test as the release condition.

Commissioning and fault-isolation logic

Run the approved test with the process in its permitted state. The expected result is the recorded acceptance condition below; no additional trip thresholds or test voltages are inferred by this guide.

Test subject	Expected evidence	If the check fails
Supply identity	Six-channel F3325 role and F6221 association agree	Reject a generic digital-output substitution.
Load design	Transmitter circuit stays within its approved design	Resolve load/approval questions before energizing.
Polarity and allocation	Each feed reaches its intended transmitter	Trace misassigned conductors.
Measured response	Powered transmitter and mapped input give the intended value	Check supply and signal paths separately.
Ex acceptance	Loop documentation and witnessed result are complete	Do not infer approval from module marking alone.

Retain both the test stimulus and the observed response. Keep unsuccessful results and diagnostic messages in the work record; record the final successful test separately after the cause is resolved.

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03 / HANDOVER RECORD AND SERVICE REFERENCES

As-left configuration	Exact module identity, occupied position and restored connection or project assignment.
Functional evidence	Results for the model-specific test subjects on page 2, including any corrected fault.
Release decision	Responsible engineering review and the approved return-to-service state; unresolved exceptions remain on hold.

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

Related Apter Power catalog references

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

HIMA F7133 | View HIMA F7133 page

HIMA F3330 | View HIMA F3330 page

HIMA F3322 | View HIMA F3322 page

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

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