HIMA F8628X

PROFIBUS-DP Communication Module

01 / PREPARATION AND PHYSICAL WORK

This field guide organizes the work for HIMA F8628X. It is an Apter Power engineering aid, not a substitute for the applicable operating manual or the approved plant work procedure.

Central CPU and resource → **F8628X PROFIBUS-DP option** → **Configured fieldbus data exchange**

Preparation decisions

01 / Retain the fieldbus baseline

Save the node assignment, operating mode, mapped exchange and topology belonging to the installed F8628X.

02 / Map the CPU dependency

Identify the associated central module and its redundant counterpart, if present, before planning the outage.

Baseline to compare before disturbance

Check	Baseline / acceptance evidence
Option position	Allowed position and CPU association agree with the plan
Redundant type	Same type and corresponding positions where required
Mode settings	Retained operating-mode settings are restored

03 / Disconnect and release

Disconnect communication cabling, remove the associated CPU first and then withdraw the communication option after releasing its fixing screws.

04 / Check switches before insertion

Compare the operating-mode settings with the installed project; do not infer settings from F8628 or a different bus participant.

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05 / Restore option and cable

Seat the module in its assigned position, secure it, reconnect the fieldbus cable and then reinstall the associated central module.

06 / Validate the intended exchange

Read CPU and bus diagnostics and witness the project-specific data paths before returning the communication function to operation.

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
Option position	Allowed position and CPU association agree with the plan	Correct rack assignment.
Redundant type	Same type and corresponding positions where required	Resolve partner mismatch.
Mode settings	Retained operating-mode settings are restored	Use the exact module data sheet to resolve discrepancies.
Mapped exchange	Expected data is observed at the intended peers	Investigate the affected mapping or bus segment.
System state	No unresolved diagnostic remains in the accepted operating state	Keep the release hold until faults are corrected.

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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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. 18, 33, 36, 45, 52; PROFIBUS-DP slot, replacement and startup rules

Related Apter Power catalog references

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

HIMA Z1006 | View HIMA Z1006 page

HIMA Z7138 | View HIMA Z7138 page

HIMA F7541 | View HIMA F7541 page

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

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