HIMA F8651X

H51q Central Module

Central processing for H51q-M, H51q-H and H51q-HR. The assembly variants differ in CPU count and I/O-bus arrangement, so the installed architecture is part of the replacement decision.

Identity and capability

H51q-M central modules	1
H51q-H central modules	2
H51q-HR central modules	2
H51q-M/H I/O buses	1
H51q-HR I/O buses	2

Integration and service

Buffer battery	CR2477N; item 44 0000018
Battery service trigger	At latest 6 years, or within 3 months of BATI indication
System buffering	F7131 plus central-module battery
Redundant OS condition	Inserted module must match operating-system version
Architecture distinction	M/H/HR are separate from safety MS/HS/HRS variants

H51q-M / H / HR application → **F8651X central module(s)** → **Single or dual I/O-bus arrangement**

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Engineering distinctions

One processor or a pair

Use the assembly variant, not the spare part alone, to decide how many central modules and I/O buses must be represented in the restoration record.

Battery alarm scheduling

BATI is a specific maintenance trigger. Record the first indication and battery age rather than replacing the entire processor merely because backup maintenance is due.

Paired-module STOP

A newly inserted module with a different operating system can remain in STOP. Check revision matching before treating it as defective hardware.

Configuration continuity

Keep the resource, application and rack population consistent with the existing M, H or HR design; do not convert the architecture during a like-for-like service job.

Required integration outcomes

Subject	Required outcome
CPU population	1 for M; 2 for H/HR in the assembly record
I/O architecture	One bus for M/H; two buses for HR
Program continuity	Retained project and restored resource agree
Battery service	CR2477N and maintenance trigger are accounted for
Paired operation	Revision agreement and intended controller state are established

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

When a spare is moved between M, H and HR installations, the part marking alone cannot define the required architecture. The receiving assembly determines whether one or two processors and one or two I/O buses belong in the acceptance record.

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Technical reference record

H41q/H51q System Catalogue, HI 800 263 E

PDF pp. 18, 35, 45-47; assembly variants, CPU replacement and battery maintenance

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.

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

F8651X