HIMA F6214

4-Channel Safety Analog Input Module

Four safety-related analog inputs for current or voltage measurement. Range selection, signal source and channel scaling must remain consistent with the installed application.

Current or voltage sources → **Four F6214 analog inputs** → **Engineering-unit scaling and safety logic**

Identity and capability

Analog inputs	4
Current input family	0/4-20 mA
Voltage ranges	0-1 V / 0-5 V / 0-10 V
Safety listing	SIL 3

Integration and service

Slot detection	Present
Lifecycle alternative	F6217 plus Z7128
Lifecycle function compatibility	Conditional
Lifecycle pin compatibility	No

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Engineering distinctions

Current vs voltage

The catalogue supports both signal families. Retain the configured range and field-source arrangement instead of applying one test signal to every channel.

Range vs engineering units

A correct electrical value can still produce an incorrect process value if scaling is restored incorrectly. Test the electrical input and displayed engineering value together.

Lifecycle conversion

F6217 plus Z7128 is not a pin-compatible exchange in the lifecycle table. Treat that path as an engineered conversion, not a same-slot spare.

Shield routing

Analog cables require low-interference routing and correct shield termination. Keep their route separate from power wiring and strong electromagnetic sources.

Required integration outcomes

Subject	Required outcome
Signal selection	Current or voltage selection matches the channel record
Electrical measurement	Each of four used channels follows the approved test values
Scaling	Engineering-unit values agree with the retained configuration
Diagnostics	No unresolved input or slot-related indication remains
Migration boundary	Any F6217/Z7128 conversion has separate wiring approval

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

A loop may produce a plausible value even with the wrong signal family or scaling. Verify the selected current or voltage input arrangement against the retained transmitter design, then compare both the electrical stimulus and its engineering-unit interpretation.

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Technical reference record

H41q/H51q System Catalogue, HI 800 263 E

PDF pp. 34, 41, 44-46, 53; analog input row and I/O procedure

List of discontinued products, Rev. 18

PDF p. 4; F6214 alternative and compatibility columns

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 F6217 | View HIMA F6217 page

HIMA Z7128 | View HIMA Z7128 page

HIMA F6215 | View HIMA F6215 page

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

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