

F7130A

24 VDC-to-5 VDC power supply for PES H41q

The F 7130A converts a 24 VDC main supply to isolated 5 VDC outputs for PES H41q. The HIMA sheet separates the central-device/I/O supply from the HIBUS output and lists front LEDs, protection and a dedicated monitoring feed.

INPUT

24 VDC main supply with the documented tolerance.

CPU / I/O

Separate 5 VDC, 10 A central and I/O output.

HIBUS

Separate 5 VDC, 1 A HIBUS output.

PROTECTION

Electrical isolation, overvoltage and current limitation.

Documented application contexts

H41q central supply

Feed the PES H41q central device from the isolated 5 V rail.

H41q I/O supply

Support the installed I/O load within the 10 A output limit.

HIBUS supply

Feed the separate 5 V HIBUS path within 1 A.

Status monitoring

Use L+, CPU/EA and HIBUS LEDs with the system diagnostics.

Engineering snapshot

TOPIC	VERIFIED INTERPRETATION
Conversion	DC/DC converter with electrical isolation between input and outputs.
Supply split	Central-device/I/O and HIBUS connections are separate.
Input LED	L+ presence is indicated on the front plate.
CPU/IO LED	5 V CPU/EA output has a front indication.
HIBUS LED	5 V HIBUS output has a front indication.
Monitoring	Central-device monitoring receives separate supply via z16 (NG).
Protection	Overvoltage protection and current limitation are integrated.
Fault behavior	The original sheet states the outputs are short-circuit proof.

CONTROLLED USE

Do not confuse this H41q supply with the F 7126 H51q unit; verify rail separation, 5 A fuse and z16 monitoring feed. Source: HIMA Paul Hildebrandt GmbH + Co KG, F 7130A (0507) Power Supply Module Data Sheet, p. 1