

F 7130A

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F 7130A: Power supply module

Input voltage 24 VDC, output voltage 5 VDC for PES H41q

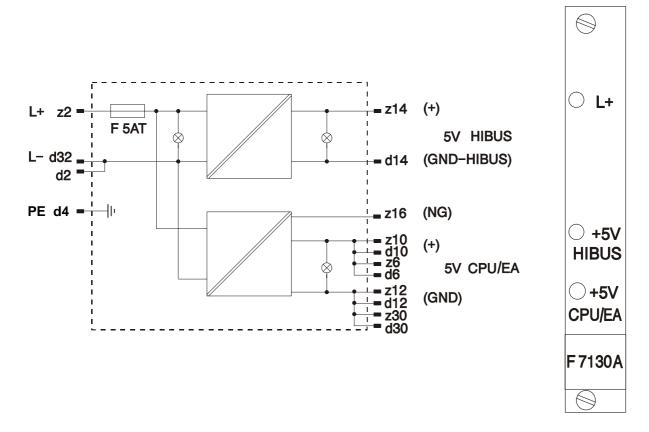


Figure 1: F 7130 A power supply module

The module supplies PES H41q with 5 VDC from a main supply of 24 VDC. It is a DC/DC converter with electrical isolation between input and output voltage. The module is equipped with overvoltage protection and current limitation. The outputs are short-circuit proof. The supply connections are separated for the central device/IO modules and HIBUS interface.

The present input voltage (L+) and the output voltages are indicated with LEDs on the front plate. A proper operation of the module is still assured if the LED 5 V CPU/EA illuminates only slightly.

The power supply for the monitoring of the central device is fed separately via pin z16 (NG).

 $\begin{array}{lll} \text{Operating data} & 24 \text{ VDC, -15...+20 \%, r}_{pp} < 15 \text{ \%} \\ \text{Primary fuse} & 5 \text{ A gL} \\ \text{Outputs for} & \\ \text{central device/IO-modules} & 5 \text{ VDC, } \pm 0.25 \text{ V / } 10 \text{ A} \\ \text{HIBUS} & 5 \text{ VDC, } \pm 0.25 \text{ V / } 1 \text{ A} \\ \text{Efficiency rate} & \geq 70 \text{ \%} \\ \text{Space requirement} & 4 \text{ SU} \\ \end{array}$