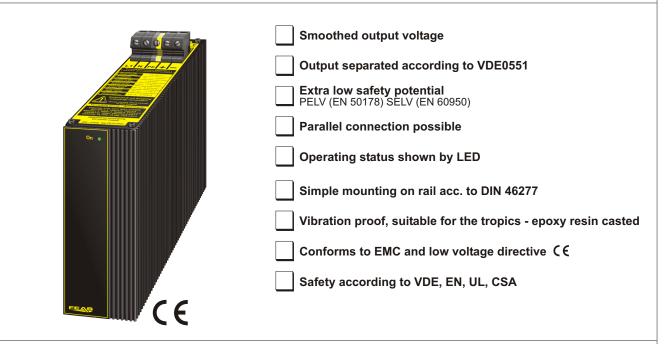
product specification DC power supply unregulated: PS1U13024-H input: 115Vac - output: 24Vdc / 4.0Amp.



Application

The power supplies of the PS1U130 series are powerful and robust devices to power electrical loads, like contactors, magnetic switches, magnetic valves, relays or something like that. Power supplies of this type are suitable as well for the most PLC-applications.

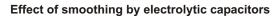
By using only few components the uncomplex circuit arrangement guarantees the advantage of a long life span and a high degree of efficiency (>80%).

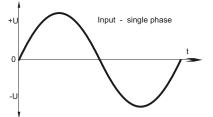
This power supply is optimally suited for loads requiring high starting current. Because of its robust design, casted in a rugged aluminium housing, it is particularly suitable for being used in rough industrial environment, e.g. in shipbuilding. Furthermore it is guite insensitive to surge voltages.

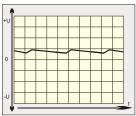
Functional principle

In the unregulated power supply PS1U130 AC voltage is transfered through a 50-Hz transformer. Afterwards the voltage is rectified by a bridge rectifier and the resulting pulsing DC voltage is smoothed with capacitors.

Because this type of power supply has no output voltage stabilization, the output voltage will also float accordingly to the transformation rate, depending on line-voltage fluctuations and consumer load.







Please read the data sheets and the user manual for further information

Design

Completly embedded with resin in an aluminium housing for mounting on a rail.



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load diagram PS1U13024 Volt DC 30 25 20 15 10

4 6 output current

/oltage

output

24V

10

PF