

## FIEPOS BASIC

100-240 V AC/24-28 V DC, 300 and 500 W

FPS300.241-002-101

IP65/IP67 Power supply 100-240VAC/24VDC, 300W

- IP65/IP67
- Efficiency >95%
- Output power 360/600W
- 600/1000 Wpeak 5s
- DC-OK relay



### PRODUCT DESCRIPTION

The FPS300 is an industrial grade power supply for 1- phase networks incorporated in to a rugged wall-mount housing with IP65/67 protection. It provides one floating, stabilized SELV/PELV output, which is galvanically separated from the input.

In case of an overload or load failure, the output offers hiccup-mode. The most outstanding features of the FPS series are the compact size, the wide operational temperature range, the low input inrush current and the extremely high efficiencies, which are achieved by various technological design technologies.

### SPECIFICATIONS

<b>Power Consumption At 120 V AC</b>	3,2 A
<b>Input voltage AC</b>	100-240 V
<b>Input voltage ac min</b>	85 V AC
<b>Input voltage dc max</b>	360 V DC
<b>Input voltage DC</b>	110-300 V
<b>Input voltage ac max</b>	264 V AC
<b>Number of phases</b>	1
<b>Inrush current at 230 V ac typical</b>	6 A
<b>Power Consumption At 230 V AC</b>	1,68 A
<b>Supply Frequency</b>	50-60 Hz ±6 %
<b>Inrush current at 120 V ac typical</b>	3 A
<b>Power Factor at 120 V AC, full load. Typical</b>	0,99

<b>Power Factor at 230 V AC, full load. Typical</b>	0,97
<b>Input voltage dc min</b>	88 V DC
<b>Back-feeding loads</b>	35V / 4 J
<b>Ripple. max</b>	50 mV pp
<b>Output voltage min</b>	24 V DC
<b>Total output power &lt;+55°C</b>	300 W
<b>Total output power &lt;5 s, &lt;+55°C</b>	600 W
<b>Temperature Range Without Derating From</b>	-25 °C
<b>Output current max</b>	25 A
<b>Total output power &lt;5 s, &lt;+70°C</b>	300 W
<b>Output voltage</b>	24 V DC
<b>Total output power &lt;+45°C</b>	360 W
<b>Output voltage max</b>	28 V DC
<b>Effect</b>	300 W
<b>Output Current</b>	12,5 A
<b>Temperature Range Without Derating To</b>	55 °C
<b>Total output power &lt;+70°C</b>	150 W
<b>Power drop from +55 °C to + 70 °C</b>	10 W/°C
<b>Efficiency At 230 V AC, full load. Typical</b>	95,7 %
<b>Efficiency At 230 V AC. Typical</b>	94,6 %
<b>Efficiency At 120 V AC, full load. Typical</b>	94,3 %
<b>Weight</b>	1,2 kg
<b>Depth</b>	59 mm
<b>Width</b>	182 mm
<b>Height</b>	183 mm
<b>DC-OK/IO-link connector</b>	M12-A
<b>Input connector</b>	HAN Q4/2
<b>Output connectors</b>	1x HAN Q4/0
<b>IP Class</b>	IP65, IP67
<b>DC relay output</b>	Yes
<b>Hold-up time at 120 V AC, full load. Typical.</b>	37 ms

IO-LINK

No

Series

FIEPOS Basic

Hold-up time at 230 V AC, full load. Typical.

37 ms

Approvals

CB, CE, UKCA, cULus

Material Protection

Aluminium

Active Transient

Yes

