

## FIEPOS BASIC 1-PHASE

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

FPS300.241-002-101

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

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



### 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

Active Transient	Yes
Approvals	CB, CE, UKCA, cULus
Back-feeding loads	35V / 4 J
DC relay output	Yes
DC-OK/IO-link connector	M12-A
Depth	59
Effect	300
Efficiency At 120 V AC, full load. Typical	94.3
Efficiency At 230 V AC, full load. Typical	95.7
Efficiency At 230 V AC. Typical	94.6
Height	183
Hold-up time at 120 V AC, full load. Typical.	37
Hold-up time at 230 V AC, full load. Typical.	37

<b>Input connector</b>	HAN Q4/2
<b>Input voltage AC</b>	100-240 V
<b>Input voltage ac max</b>	264
<b>Input voltage ac min</b>	85
<b>Input voltage DC</b>	110-300 V
<b>Input voltage dc max</b>	360
<b>Input voltage dc min</b>	88
<b>Inrush current at 120 V ac typical</b>	3
<b>Inrush current at 230 V ac typical</b>	6
<b>IO-LINK</b>	No
<b>IP Class</b>	IP65, IP67
<b>Material Protection</b>	Aluminium
<b>Number of phases</b>	1
<b>Output connectors</b>	1x HAN Q4/0
<b>Output Current</b>	12.5
<b>Output current max</b>	25
<b>Output voltage</b>	24
<b>Output voltage max</b>	28
<b>Output voltage min</b>	24
<b>Power Consumption At 120 V AC</b>	3.2
<b>Power Consumption At 230 V AC</b>	1.68
<b>Power drop from +55 °C to + 70 °C</b>	10
<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>Ripple. max</b>	50
<b>Series</b>	FIEPOS Basic
<b>Supply Frequency</b>	50-60 Hz ±6 %
<b>Temperature Range Without Derating From</b>	-25
<b>Temperature Range Without Derating To</b>	55
<b>Total output power &lt;+45°C</b>	360
<b>Total output power &lt;+55°C</b>	300
<b>Total output power &lt;+70°C</b>	150
<b>Total output power &lt;5 s, &lt;+55°C</b>	600
<b>Total output power &lt;5 s, &lt;+70°C</b>	300

Weight

1.2

Width

182

