

## FIEPOS EFUSE

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

FPS300.245-016-101

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

- IP65/IP67
- Up to 4 switchable outputs
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IO-Link or DC-OK relay



### PRODUCT DESCRIPTION

The FPS300 is an industrialgrade power supply for 1-phase networks incorporated in to a rugged wall- mount housing with IP65/67 protection.

It provides two to four stabilized outputs that is galvanically separated from the input.

The negative potential of the outputs is permanently connected to PE within the unit.

The most outstanding features of the FPS series are the compact size, the wide operational temperature range, the extremely low input inrush current and the very high efficiencies, which are achieved by various design technologies.

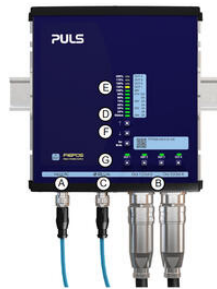
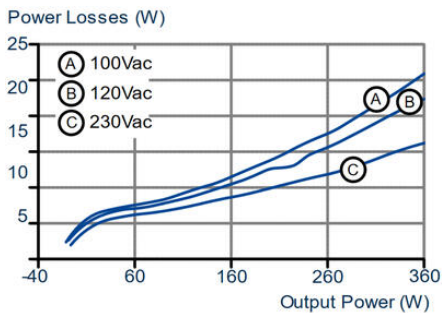
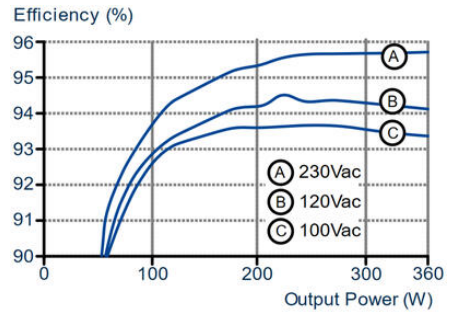
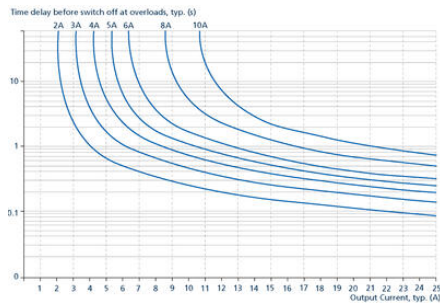
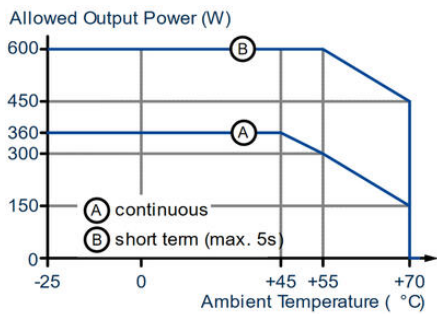
Large sized output capacitors can absorb and store regenerative energy from breaking motors.

### 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 $\pm$ 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>Output Current per channel</b>	10 A
<b>Temperature Range Without Derating From</b>	-25 °C
<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>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>	7/8"
<b>Output connectors</b>	1x 7/8"
<b>IP Class</b>	IP65, IP67
<b>DC relay output</b>	No
<b>Hold-up time at 120 V AC, full load. Typical.</b>	37 ms
<b>IO-LINK</b>	Yes

<b>Series</b>	FIEPOS eFuse
<b>Hold-up time at 230 V AC, full load. Typical.</b>	37 ms
<b>Approvals</b>	CB, CE, UKCA, cULus
<b>Material Protection</b>	Aluminium
<b>Active Transient</b>	Yes



- A. Input Connector
- B. Output Connectors
- C. IO Link Connector
- D. Status LED
- E. LED Bar
- F. Set Mode and Up and Down Button
- G. Output LEDs | Reset & ON/OFF Buttons

