

## FIEPOS EFUSE 1-PHASE

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

FPS300.245-016-101

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

- Decentralized Power Supplies
- Up to 4 switchable outputs
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IO-Link or DC-OK relay, IP65/67



### 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>Active Transient</b>	Yes
<b>Approvals</b>	CB, CE, UKCA, cULus
<b>Back-feeding loads</b>	35V / 4 J
<b>DC relay output</b>	No
<b>DC-OK/IO-link connector</b>	M12-A
<b>Depth</b>	59
<b>Effect</b>	300
<b>Efficiency At 120 V AC, full load. Typical</b>	94.3
<b>Efficiency At 230 V AC, full load. Typical</b>	95.7
<b>Efficiency At 230 V AC. Typical</b>	94.6
<b>Height</b>	183
<b>Hold-up time at 120 V AC, full load. Typical.</b>	37

<b>Hold-up time at 230 V AC, full load. Typical.</b>	37
<b>Input connector</b>	7/8"
<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>	Yes
<b>IP Class</b>	IP65, IP67
<b>Number of phases</b>	1
<b>Output connectors</b>	1x 7/8"
<b>Output Current per channel</b>	10 A
<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 eFuse
<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
<b>Weight</b>	1.2

