

## FIEPOS EFUSE 3-PHASE

3x 380-480 V AC/24-28 V DC, 300 or 500 W

FPT500.245-034-105  
IP65/IP67 Power supply 3x380-480 V AC/24 V DC, 500 W

- Decentralized Power Supply
- Up to 4 switchable outputs
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IP54, IP65/IP67



### Product description

The FPS300 is an industrialgrade power supply for 3-phase networks and is incorporated in a rugged wall- mount housing with IP65/67 protection.

It provides two to four stabilized outputs that are 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, 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>	500
<b>Efficiency At 400 V AC, full load. Typical</b>	95.8
<b>Efficiency At 400 V AC. Typical</b>	94.2
<b>Height</b>	183
<b>Hold-up time at 400 V AC, full load. Typical.</b>	24
<b>Input connector</b>	M12-S

<b>Input voltage AC</b>	380-480
<b>Input voltage ac max</b>	552
<b>Input voltage ac min</b>	323
<b>Inrush current at 400 V ac typical</b>	2
<b>IO-LINK</b>	Yes
<b>IP Class</b>	IP65, IP67
<b>Lifetime at 400 V ac, full load and +40 ° C</b>	43000
<b>Max. Current per output</b>	10
<b>MTBF (IEC 61709) 400 V ac, max load, +40 °C</b>	253000
<b>Number of phases</b>	3
<b>Output connectors</b>	2x M12-L
<b>Output Current</b>	20.8
<b>Output current max</b>	41.7
<b>Output voltage</b>	24
<b>Output voltage max</b>	28
<b>Output voltage min</b>	24
<b>Power consumption at 400 V ac</b>	0.8
<b>Power drop from +55 °C to + 70 °C</b>	10
<b>Power Factor at 400 V AC, full load. Typical</b>	0.94
<b>Ripple. max</b>	100
<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>	600
<b>Total output power &lt;+55°C</b>	500
<b>Total output power &lt;+70°C</b>	350
<b>Total output power &lt;5 s, &lt;+55°C</b>	1000
<b>Total output power &lt;5 s, &lt;+70°C</b>	700
<b>Weight</b>	1.2
<b>Width</b>	182

