

## FIEPOS BASIC

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

FPT300.242-002-101

IP65/IP67 Power supply 3x380-480 V AC/24 V DC, 300 W

- IP54 or IP65/IP67
- Efficiency >95%
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IO-Link or DC-OK relay



### PRODUCT DESCRIPTION

The FPS300 is an industrial grade power supply for single-phase networks and is 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.

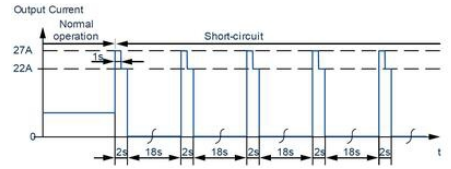
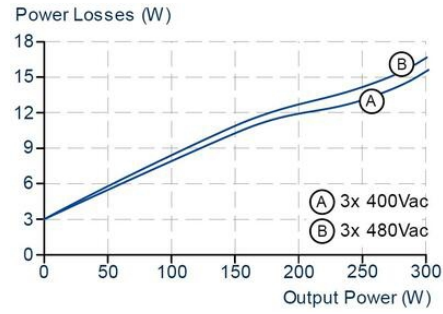
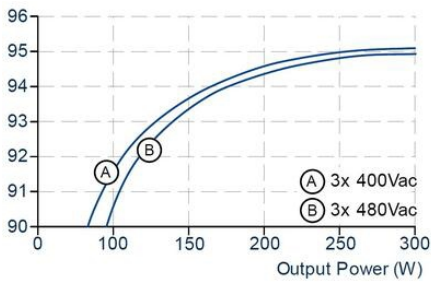
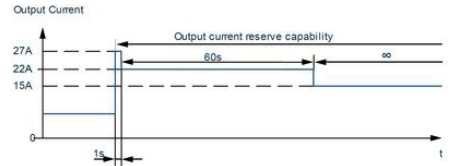
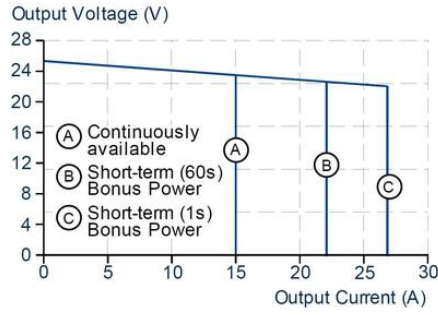
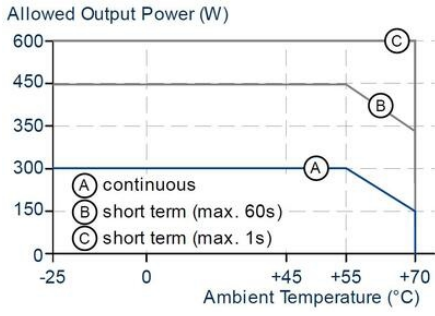
In case of an overload or load failure, the output offers hiccup-mode.

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 400 V ac</b>	0,5 A
<b>Input voltage AC</b>	380-480
<b>Input voltage ac min</b>	323 V AC
<b>Input voltage ac max</b>	552 V AC
<b>Inrush current at 400 V ac typical</b>	2 A
<b>Number of phases</b>	3
<b>Power Factor at 400 V AC, full load. Typical</b>	0,9
<b>Supply Frequency</b>	50-60 Hz ±6 %
<b>Back-feeding loads</b>	35V / 4,3 J
<b>Ripple. max</b>	100 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>Total output power &lt;1 s</b>	640 W
<b>Total output power &lt;1 min</b>	484 W
<b>Temperature Range Without Derating From</b>	-25 °C
<b>Output current max</b>	25 A
<b>Output voltage</b>	24 V DC
<b>Total output power &lt;+45°C</b>	360 W
<b>Output voltage max</b>	24 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>MTBF (IEC 61709) 400 V ac, max loan, +40 °C</b>	838000 h
<b>Lifetime at 400 V ac, full load and +40 ° C</b>	235000 h
<b>Efficiency At 400 V AC, full load. Typical</b>	95 %
<b>Efficiency At 400 V AC. Typical</b>	93,6 %
<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>Hold-up time at 400 V AC, full load. Typical.</b>	25 ms
<b>DC relay output</b>	Yes
<b>IO-LINK</b>	No
<b>Series</b>	FIEPOS Basic
<b>Approvals</b>	CB, CE, cULus
<b>Material Protection</b>	Aluminium
<b>Active Transient</b>	Yes



- A. Input Connector
- B. Output Connector
- C. DC-OK Signal Connector
- D. DC-OK LED
- E. DC-NOT-OK LED
- F. Overload LED

