

## FIEPOS BASIC 3-PHASE

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 FPT300 is an industrial grade power supply for 3-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.

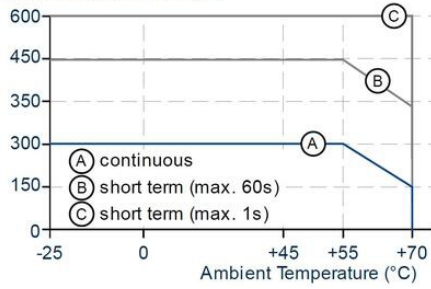
The most outstanding features of the FPS series are the compact size, the wide operational temperature range, the low input inrush current and the extremely high efficiencies, which are achieved by various technological design technologies.

### Specifications

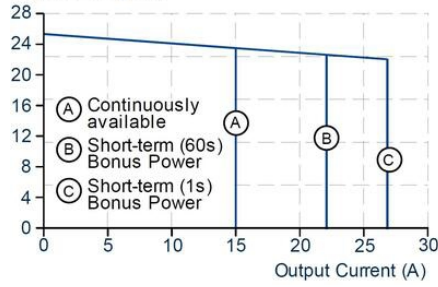
Active Transient	Yes
Approvals	CB, CE, cULus
Back-feeding loads	35V / 4,3 J
DC relay output	Yes
DC-OK/IO-link connector	M12-A
Depth	59
Effect	300
Efficiency At 400 V AC, full load. Typical	95
Efficiency At 400 V AC. Typical	93.6
Height	183
Hold-up time at 400 V AC, full load. Typical.	25
Input connector	HAN Q4/2
Input voltage AC	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>	No
<b>IP Class</b>	IP65, IP67
<b>Lifetime at 400 V ac, full load and +40 ° C</b>	235000
<b>MTBF (IEC 61709) 400 V ac, max loan, +40 °C</b>	838000
<b>Number of phases</b>	3
<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>	24
<b>Output voltage min</b>	24
<b>Power consumption at 400 V ac</b>	0.5
<b>Power drop from +55 °C to + 70 °C</b>	10
<b>Power Factor at 400 V AC, full load. Typical</b>	0.9
<b>Ripple. max</b>	100
<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;1 min</b>	484
<b>Total output power &lt;1 s</b>	640
<b>Total output power &lt;5 s, &lt;+55°C</b>	600
<b>Weight</b>	1.2
<b>Width</b>	182

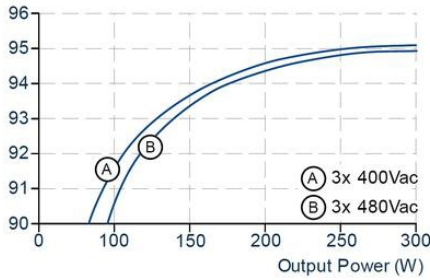
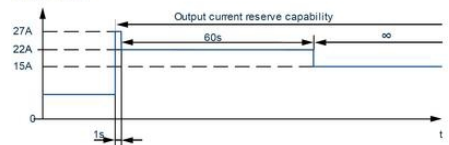
Allowed Output Power (W)



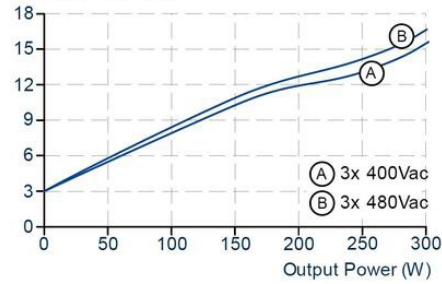
Output Voltage (V)



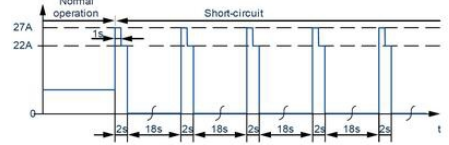
Output Current



Power Losses (W)



Output Current



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

