

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 W_{peak} 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.

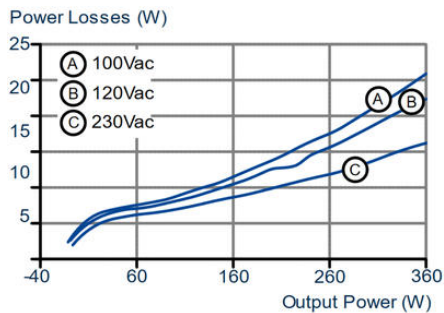
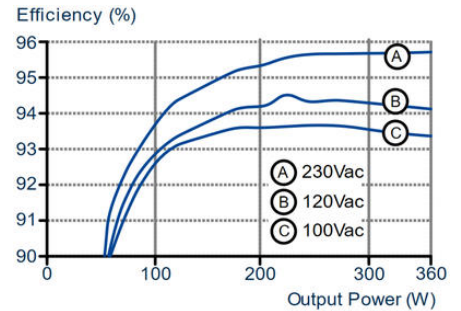
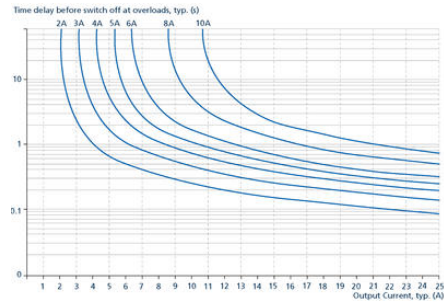
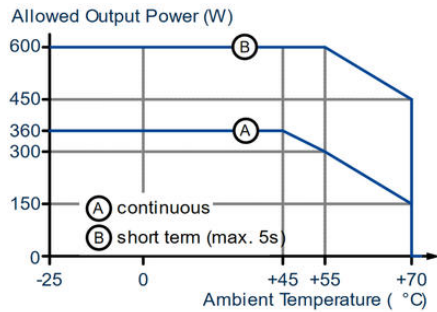
Large sized output capacitors can absorb and store regenerative energy from breaking motors.

SPECIFICATIONS

Number of phases	1
Input voltage AC	100-240 V
Input voltage ac min	85 V AC
Input voltage ac max	264 V AC
Input voltage DC	110-300 V
Input voltage dc min	88 V DC
Input voltage dc max	360 V DC
Inrush current at 120 V ac typical	3 A
Inrush current at 230 V ac typical	6 A
Power Factor at 120 V AC, full load. Typical	0,99
Power Factor at 230 V AC, full load. Typical	0,97
Supply Frequency	50-60 Hz ±6 %

Power Consumption At 120 V AC	3,2 A
Power Consumption At 230 V AC	1,68 A
Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output Current per channel	10 A
Effect	300 W
Total output power <+45°C	360 W
Total output power <+55°C	300 W
Total output power <+70°C	150 W
Total output power <5 s, <+55°C	600 W
Total output power <5 s, <+70°C	300 W
Power drop from +55 °C to + 70 °C	10 W/°C
Ripple. max	50 mV pp
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	55 °C
Back-feeding loads	35V / 4 J
Efficiency At 120 V AC, full load. Typical	94,3 %
Efficiency At 230 V AC. Typical	94,6 %
Efficiency At 230 V AC, full load. Typical	95,7 %
Width	182 mm
Height	183 mm
Depth	59 mm
Weight	1,2 kg
Output connectors	1x 7/8"
DC-OK/IO-link connector	M12-A
Input connector	7/8"
Series	FIEPOS eFuse
Approvals	CB, CE, cULus
DC relay output	No
IO-LINK	Yes

Material Protection	Aluminium
Hold-up time at 120 V AC, full load. Typical.	37 ms
Hold-up time at 230 V AC, full load. Typical.	37 ms
IP Class	IP65, IP67
Active Transient	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

