FIEPOS BASIC

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

FPS300.241-002-101
IP65/IP67 Power supply 100-240VAC/24VDC, 300W



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

PRODUCT DESCRIPTION

The FPS300 is an industrial grade power supply for 1- phase networks 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

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	12.5 A
Output current max	25 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 HAN Q4/0
DC-OK/IO-link connector	M12-A
Input connector	HAN Q4/2

Series	FIEPOS Basic
Approvals	CB, CE, UKCA, cULus
DC relay output	Yes
IO-LINK	No

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















