FIEPOS EFUSE 1-PHASE

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

FPS300.245-016-101
IP65/IP67 Power supply 100-240VAC/24VDC, 300W



- Decentralized Power Supplies
- Up to 4 switchable outputs
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IO-Link or DC-OK relay, IP65/67

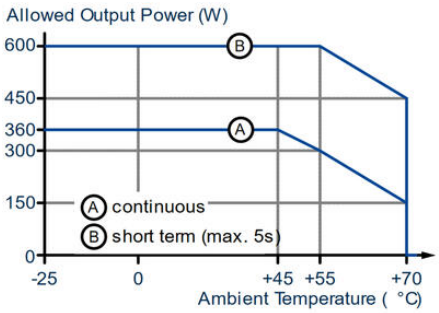
PRODUCT DESCRIPTION

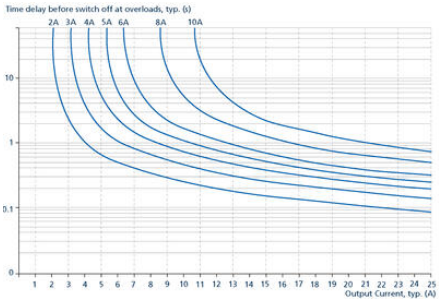
The FPS300 is an industrialgrade power supply for 1-phase networks incorporated in to a rugged wall- mount housing with IP65/67 protection.
It provides two to four stabilized outputs that is galvanically separated from the input.
The negative potential of the outputs is permanently connected to PE within 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.

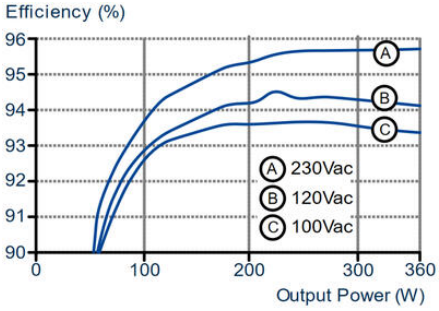
SPECIFICATIONS

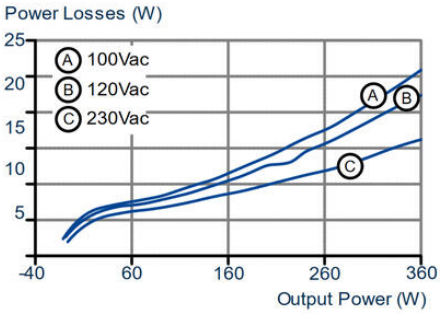
Active Transient	Yes
Approvals	CB, CE, UKCA, cULus
Back-feeding loads	35V / 4 J
DC relay output	No
DC-OK/IO-link connector	M12-A
Depth	59
Effect	300
Efficiency At 120 V AC, full load. Typical	94.3
Efficiency At 230 V AC, full load. Typical	95.7
Efficiency At 230 V AC. Typical	94.6
Height	183
Hold-up time at 120 V AC, full load. Typical.	37
Hold-up time at 230 V AC, full load. Typical.	37

Input connector	7/8"
Input voltage AC	100-240 V
Input voltage ac max	264
Input voltage ac min	85
Input voltage DC	110-300 V
Input voltage dc max	360
Input voltage dc min	88
Inrush current at 120 V ac typical	3
Inrush current at 230 V ac typical	6
IO-LINK	Yes
IP Class	IP65, IP67
Number of phases	1
Output connectors	1x 7/8"
Output Current per channel	10 A
Output voltage	24
Output voltage max	28
Output voltage min	24
Power Consumption At 120 V AC	3.2
Power Consumption At 230 V AC	1.68
Power drop from +55 °C to + 70 °C	10
Power Factor at 120 V AC, full load. Typical	0.99
Power Factor at 230 V AC, full load. Typical	0.97
Ripple. max	50
Series	FIEPOS eFuse
Supply Frequency	50-60 Hz ±6 %
Temperature Range Without Derating From	-25
Temperature Range Without Derating To	55
Total output power <+45°C	360
Total output power <+55°C	300
Total output power <+70°C	150
Total output power <5 s, <+55°C	600
Total output power <5 s, <+70°C	300
Weight	1.2
Width	182











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



