

FIEPOS EFUSE 3-PHASE

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

FPT500.245-034-105

IP65/IP67 Power supply 3x380-480 V AC/24 V DC, 500 W

- Decentralized Power Supply
- Up to 4 switchable outputs
- Output power 360/600 W
- 600/1000 Wpeak 5s
- IP54, IP65/IP67



PRODUCT DESCRIPTION

The FPS300 is an industrialgrade power supply for 3-phase networks and is incorporated in a rugged wall- mount housing with IP65/67 protection. It provides two to four stabilized outputs that are 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.

TECHNICAL DATA

INPUT DATA

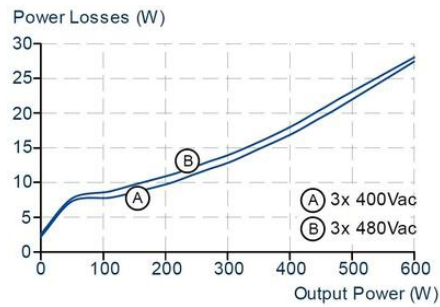
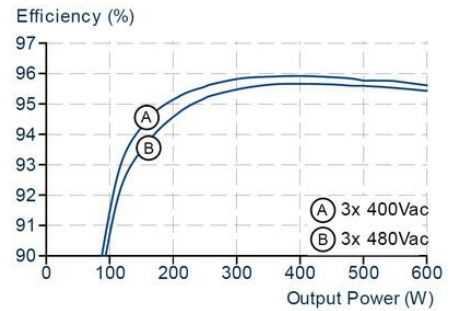
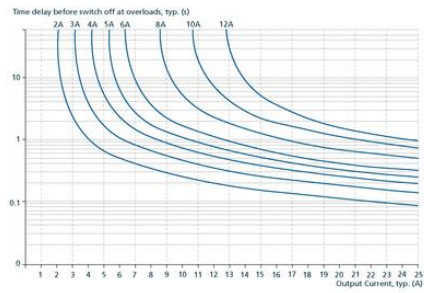
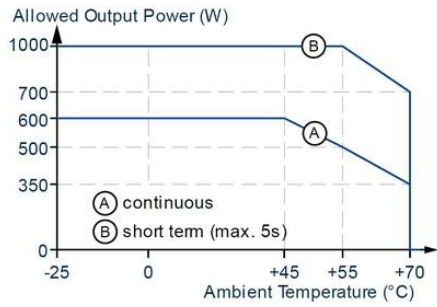
Input voltage ac	380-480
Input voltage ac min	323 V AC
Input voltage ac max	552 V AC
Inrush current at 400 V ac typical	2 A
Power factor at 400 V ac, full load. Typical	0.94
Number of phases	3

OUTPUT DATA

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output current	20.8 A

Output current max	41.7 A
Power	500 W
EFFICIENCY / LIFETIME / MTBF	
Efficiency at 400 V ac, typical	94.2 %
Efficiency at 400 V ac, full load, typical	95.8 %
Lifetime at 400 V ac, full load and +40 ° C	43000 h
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	253000 h
DIMENSIONS	
Width	182 mm
Height	183 mm
Depth	59 mm
Weight	1.2 kg
OTHER	
Approvals	CB, CE, cULus
Hold time at 400 V ac, typical full load	24 ms
IP class	IP65, IP67
Material protection	Aluminium
Supply frequency	50-60 Hz $\pm$ 6 %
Ripple max	100 mV pp
Series	FIEPOS eFuse
Power consumption at 400 V ac	0.8 A
Temperature min without derating	-25 °C
Temperature max without derating	55 °C
Output connectors	2x M12-L
Total output power <+45°C	600 W
Total output power <+55°C	500 W
Total output power <+70°C	350 W
Total output power <5 s, <+55°C	1000 W
Total output power <5 s, <+70°C	700 W
Power drop from +55 °C to + 70 °C	10 W/°C
Active Transient	Yes
Back-feeding loads	35V / 4 J

DC relay output	No
DC-OK/IO-link connector	M12-A
Input connector	M12-S
IO-LINK	Yes
Max. Current per output	10 A



- 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 ON/OFF & Reset Buttons

