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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

Number of phases	3
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
Supply frequency	50-60 Hz ±6 %
Power consumption at 400 V ac	0.8 A

OUTPUT

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
Max. Current per output	10 A
Power	500 W
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
Ripple max	100 mV pp
Temperature min without derating	-25 °C
Temperature max without derating	55 °C
Back-feeding loads	35V / 4 J

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

CONNECTION TERMINALS

Output connectors	2x M12-L
DC-OK/IO-link connector	M12-A
Input connector	M12-S

GENERAL

Series	FIEPOS eFuse
Approvals	CB, CE, cULus
DC relay output	No

IO-LINK	Yes
Material protection	Aluminium
Hold time at 400 V ac, typical full load	24 ms
IP class	IP65, IP67
Active Transient	Yes















