

FIEPOS BASIC 3-PHASE

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

FPT300.242-002-101

IP65/67 Power supply 400VAC/24VDC, 300W

- IP54 or IP65/IP67
- Efficiency >95%
- Output power 360/600 W
- 600/1000 W_{peak} 5s
- IO-Link or DC-OK relay



PRODUCT DESCRIPTION

The FPT300 is an industrial grade power supply for 3-phase networks and is 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.

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
Number of phases	3
Power factor at 400 V ac, full load. Typical	0,9

OUTPUT DATA

Output voltage min	24 V DC
Output current max	25 A
Output voltage	24 V DC
Output voltage max	24 V DC

Power	300 W
Output current	12,5 A

EFFICIENCY / LIFETIME / MTBF

MTBF (IEC 61709) 400 V ac, max loan, +40 °C	838000 h
Lifetime at 400 V ac, full load and +40 ° C	235000 h
Efficiency at 400 V ac, full load, typical	95 %
Efficiency at 400 V ac, typical	93,6 %

DIMENSIONS

Weight	1,2 kg
Depth	59 mm
Width	182 mm
Height	183 mm

OTHER

IP class	IP65, IP67
Ripple max	100 mV pp
Hold time at 400 V ac, typical full load	25 ms
Power consumption at 400 V ac	0,5 A
Temperature min without derating	-25 °C
Series	FIEPOS Basic
Supply frequency	50-60 Hz ±6 %
Approvals	CB, CE, cULus
Temperature max without derating	55 °C
Material protection	Aluminium
Output connectors	1x HAN Q4/0
Total output power <+45°C	360 W
Total output power <+55°C	300 W
Total output power <+70°C	150 W
Total output power <1 s	640 W
Total output power <1 min	484 W
Total output power <5 s, <+55°C	600 W
Power drop from +55 °C to + 70 °C	10 W/°C
Active Transient	Yes

Back-feeding loads 35V / 4,3 J

DC relay output Yes

DC-OK/IO-link connector M12-A

Input connector HAN Q4/2

IO-LINK No

