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FIEPOS BASIC 3-PHASE

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

FPT500.241-002-101
IP65/IP67 Power supply 3x380-480 V AC/24 V DC, 500 W



- IP54 or IP65/IP67
- Efficiency >95%
- Output power 360/600 W
- 600/1000 Wpeak 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
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	78000 h
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	315000 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 ±6 %
Ripple max	100 mV pp
Series	FIEPOS Basic
Power consumption at 400 V ac	1.1 A
Temperature min without derating	-25 °C
Temperature max without derating	55 °C

Output connectors	1x HAN Q4/0
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	Yes

DC-OK/IO-link connector	M12-A
Input connector	HAN Q4/2
IO-LINK	No

















