FIEPOS BASIC

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

FPT300.242-002-101
IP65/IP67 Power supply 3x380-480 V AC/24 V DC, 300 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 FPS300 is an industrial grade power supply for single-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.

SPECIFICATIONS

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	0.9
Supply Frequency	50-60 Hz ±6 %
Power consumption at 400 V ac	0.5 A

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	24 V DC
Output Current	12.5 A

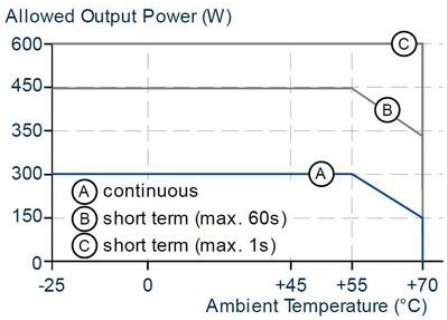
Output current max	25 A
Effect	300 W
Total output power <+45°C	360 W
Total output power <+55°C	300 W
Total output power <+70°C	150 W
Total output power <1 s	640 W
Total output power <1 min	484 W
Total output power <5 s, <+55°C	600 W
Power drop from +55 °C to + 70 °C	10 W/°C
Ripple. max	100 mV pp
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	55 °C
Back-feeding loads	35V / 4,3 J

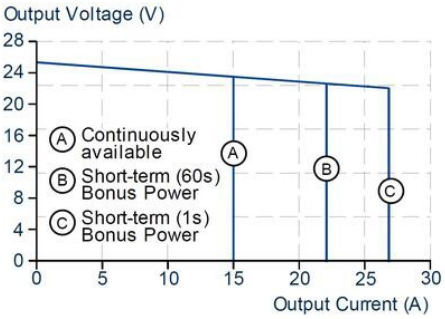
Efficiency At 400 V AC. Typical	93.6 %
Efficiency At 400 V AC, full load. Typical	95 %
Lifetime at 400 V ac, full load and +40 ° C	235000 h
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	838000 h

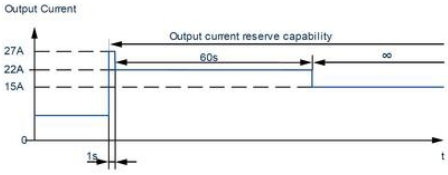
Width	182 mm
Height	183 mm
Depth	59 mm
Weight	1.2 kg

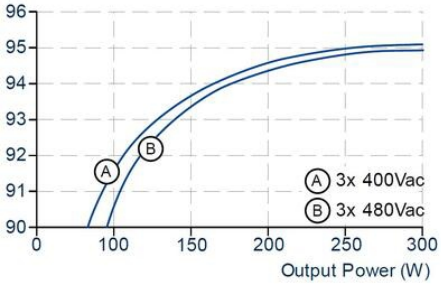
Output connectors	1x HAN Q4/0
DC-OK/IO-link connector	M12-A
Input connector	HAN Q4/2

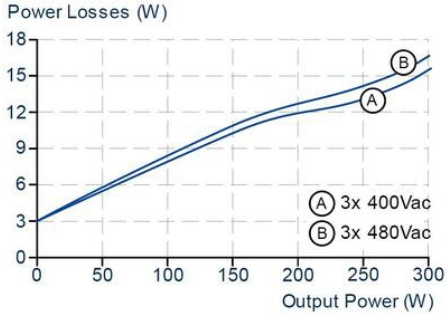
Series	FIEPOS Basic
Approvals	CB, CE, cULus
DC relay output	Yes
IO-LINK	No
Material Protection	Aluminium
Hold-up time at 400 V AC, full load. Typical.	25 ms
IP Class	IP65, IP67
Active Transient	Yes

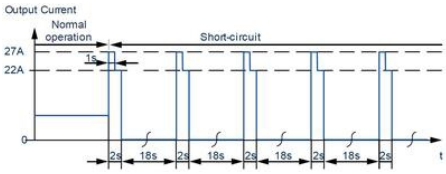














A. Input Connector
B. Output Connector
C. DC-OK Signal Connector
D. DC-OK LED
E. DC-NOT-OK LED
F. Overload LED

