



FAB0907016

Features

- ▶ 6U * 6TE * 160 mm
- ▶ Vin : 103,5-120,6Vac / 400Hz (phase neutral)
- ▶ Output : 144Vdc / isolated
- ▶ Pout max : 1000W
- ▶ Fan cooled 4m/s min. (External)

Applications



3 phase powerfactor front end supply with isolated output for aeronautic.

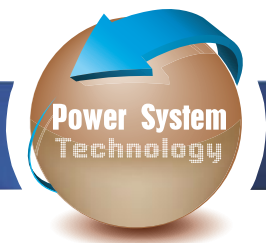
INPUT

Voltage range : 103,5-120,5Vac (phase neutral) Frequency : 400Hz
 Powerfactor correction : > 0,9
 Input protection : Transient and surges AIR2021E, DO160E, MIL-STD 461E, STANAG 1008
 Overcurrent: By Fuse

OUTPUT

Voltage : 144Vdc / 7,2A
 Power : 1000W with fan cooled 4m/s.
 75W at 70°C , convection cooled
 Current limit, short circuit : protected on output
 Overvoltage : protected on output

			Conditions
	Typ.	Max.	
Line regulation	+/- 0,16 %	+/-1 %	Low line to high line ; full load
Load regulation	+/- 5 %		0 % to full load



▼ Signal

PFC OK : Output monitor : open collector : closed if $V_{out} > 110V$
open otherwise

▼ Environmental

Storage temperature : $-40^{\circ}C$ to $+85^{\circ}C$
Operating temperature : $-40^{\circ}C$ to $+55^{\circ}C$ ambient external air forced 4m/s min.

▼ EMI / EMC

MIL-STD-461E DO160E with external filter

▼ Isolation

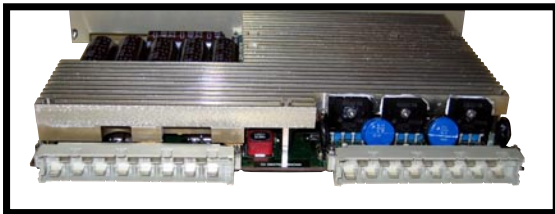
Input to Chassis : 2120 Vdc or 1500Vrms without Y capacitor
Input to Output : 1500 Vdc
Output to Chassis : 500 Vdc
PFC OK to chassis : 2120 Vdc

▼ Mechanical

Weight : 1,24Kg

DIN41612 H15 : 05H15MGWVZ32/K1

J13	DESCRIPTION
4	Ground
6	NC
8	NC
10	Phase A
12	Phase A
14	Phase A
16	Phase B
18	Phase B
20	Phase B
22	Phase C
24	Phase C
26	Phase C
28	NC
30	NC
32	Ground



J14

J13

DIN41612 H15 : 05H15MGWVZ32/K1

J14	DESCRIPTION
4	Ground
6	NC
8	NC
10	PFC_OK+
12	PFC_OK-
14	NC
16	+144V
18	+144V
20	+144V
22	0V
24	0V
26	0V
28	NC
30	NC
32	Ground