



FEATURES

420 x 290 x 90 mm
 INPUT : 185 - 264 Vac or 18 - 36Vdc
 OUTPUT : 1200W
 Efficiency : 76,4 % typ.
 Air forced



APPLICATIONS

Defence.

INPUT

Voltage range :
 Nominal :
 Input protection :

AC INPUT
 185-264Vac
 230Vac
 fuse 10A
 transient and surges protected

DC INPUT
 18-36Vdc
 24Vdc
 fuse 3 x 25A
 reverse polarity protected
 transient and surges protected

OUTPUT

Voltage :
 V1 : 31,5V/34A
 V2 : 31V/3,5A
 V3 : 31,5V/2A

	OUTPUT		Conditions
	Typ.	Max.	
Line regulation	0,02 %	0,2 %	Low line to high line ; full load
Load regulation	2,2 %	5,2 %	No load to full load
Ripple and noise	0,8 %		Peak to peak, nom. Input ; full load
Current limit	115 % of I nom.		Vout = 95% of nominal ; Automatic restart
Short circuit current	115 % of I nom.		Vout < 250mV ; Automatic restart

SIGNALS

V1 ON/OFF by MOSFET : Connect to 12Vdc for enable
V1 ON/OFF by relay : Connect to 12Vdc for enable
Output voltage measurement
Output measurement current

ENVIRONMENTAL

Storage temperature : -50°C to +100°C
Operating temperature : -40°C to 50°C ambient, forced air, nominal power

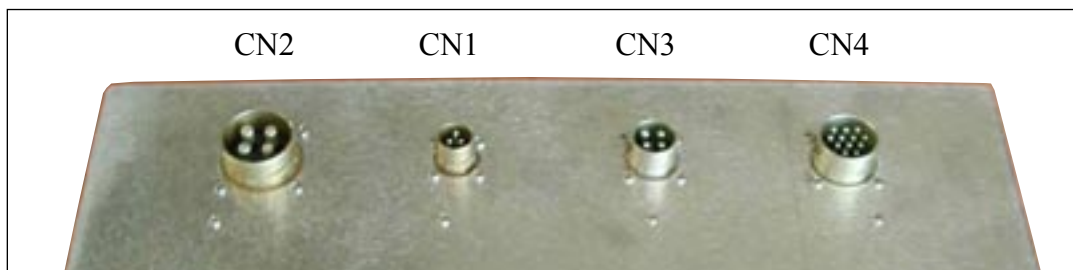
ISOLATION

	AC INPUT	DC INPUT
Input to chassis :	1500Vrms or 2121Vdc	750Vdc
Input to Output :	3000Vrms or 4242Vdc	750Vdc
Output to Chassis :	750Vdc	750Vdc

GENERAL

Safety : **built to meet EN60950**
EMI : **built to meet MIL-STD-461, conducted.**

MECHANICALS



CN1 : Souriau 840-11-1-3-2 plug

PIN	DESCRIPTION
PIN 1	Ground
PIN 2	AC/L
PIN 3	AC/N

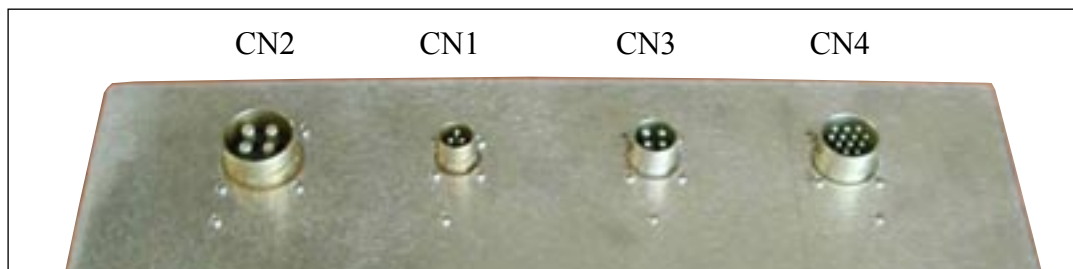
CN2 : Souriau 840-45-1-3-2 plug

PIN	DESCRIPTION
PIN 1	0V 24 input
PIN 2 - 4	+24Vdc input

CN3 : Souriau 840-24-1-3-2 plug

PIN	DESCRIPTION
PIN 1 - 2	V1 (MUN-PC) +31,5Vdc
PIN 3 - 4	V1 (MUN-PF) 0V

MECHANICALS



OUTPUT + SIGNALS : CN4 : Souriau 840-31-1-3-2 plug

PIN	DESCRIPTION
PIN 1	V2 (BSA-PC) +31Vdc
PIN 2	V2 (BSA-PF) 0V
PIN 3	CDE-MOS (ON when connected to external +12Vdc)
PIN 4	GND-CDE
PIN 5	CDE-RELAY (ON when connected to external +12Vdc)
PIN 6	V3 (MTM-PC) +31,5Vdc
PIN 7	V3 (MTM-PF) 0V
PIN 8	Relay monitor
PIN 9	Relay monitor
PIN 10	Courant measure (-)
PIN 11	Courant measure (+)
PIN 12	Voltage measure (+)