



**FEATURES**

3U x 8TE x 160 mm  
Vin : 72Vdc  
V1 : +5V/2A      V2 : +5V/2A  
2 outputs fully independent  
Pout max : 20W

**APPLICATIONS**

Specially designed for hard environment applications with vibrations like railways.

**INPUT**

Voltage range :      36-140Vdc      Nominal : 72Vdc  
Input protection :    Transient : EN50155  
                             Fuse 1A  
                             Reverse polarity  
EMI : EN50121-1, EN50121-3-2

**OUTPUT**

Voltage :              V1 : +5V/2A 10W  
                             V2 : +5V/2A 10W  
Imax. :                2A per output  
Pmax. :                20W total  
Current limit and short circuit :    protected on every output

	V 1		V 2		Conditions
	Typ.	Max.	Typ.	Max.	
<b>Line regulation</b>	+/- 1 %	+/-1,5 %	+/- 1 %	+/-1,5 %	Low line to high line ; full load
<b>Load regulation</b>	- 4 % / + 2 %	+/- 5 %	- 4 % / + 2 %	+/- 5 %	25 % to full load
<b>Ripple and noise</b>	0.5 %	1 %	0.5 %	1 %	Peak to peak - Bandwidth 20MHz according to o/p voltage
<b>Current limit</b>	180 to 200 % of I nominal		180 to 200 % of I nominal		Vout = 95% of nominal ; Automatic restart

## SIGNALS

Output OK : green led in front panel for each output

## ENVIRONMENTAL

Storage temperature : -40°C to +105°C

Operating temperature : -40°C to +91°C

Operating temperature in natural convection : derating 0,5 % / °C above 71°C

## ISOLATION

Input to chassis : 1000 Vrms or 1414 Vdc

Input to Output : 2000 Vrms or 2828 Vdc

Output to Chassis : 100 Mohms at 500Vdc

Output 1 to output 2 : 500 Vrms or 707 Vdc

## GENERAL

**Safety :** built to meet EN60950

**EMI :** built to meet EN50121-1, EN50121-3-2, conducted.

**ENV :** built to meet EN50155

**MECHANICALS**

Solder side of the PCB protected by PBT sheet UL94V0.

**INPUT : SOURIAU UTG0128P male**

PIN	DESCRIPTION
A	+BT1
B	NC
C	+BT2
D	NC
E	0 BT2
F	NC
G	0 BT1
H	Ground



**OUTPUT : DIN41612 form D32 male 90°**

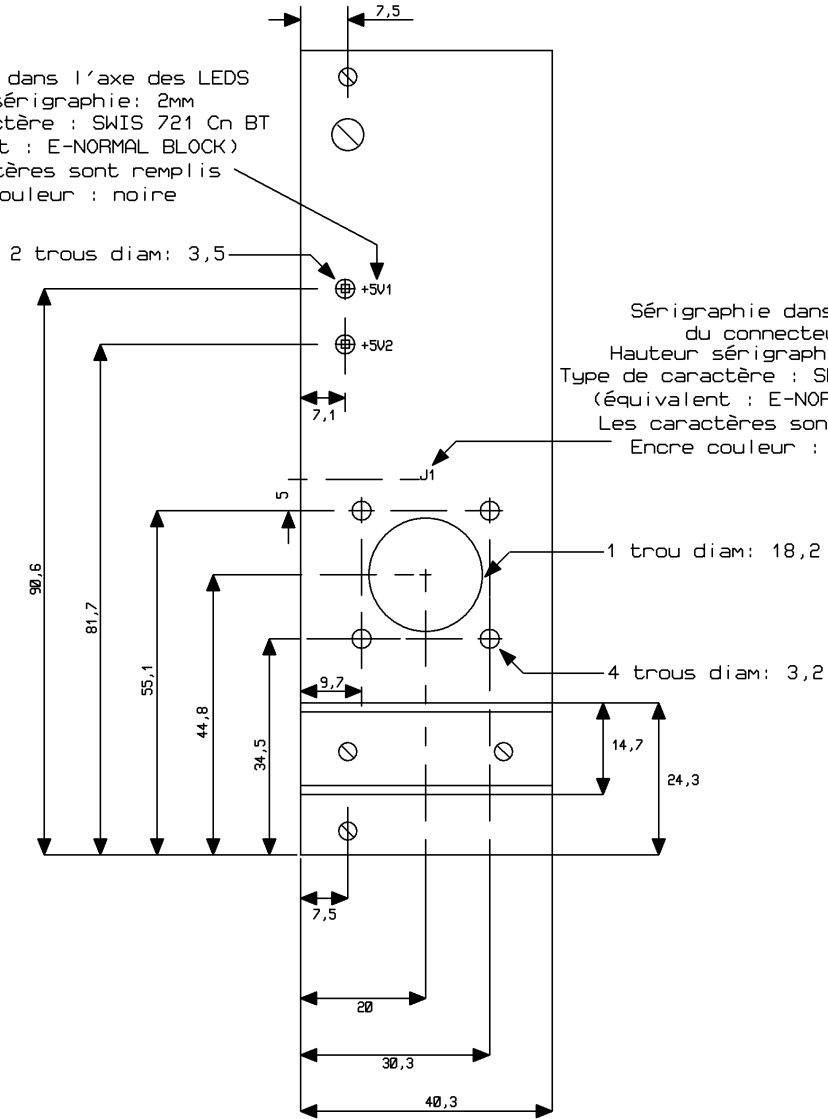


PIN		DESCRIPTION
a	c	
2	2	Ground
4-6	4-6	NC
8	8	0 V1
10	10	NC
12	12	+5 V1
14-16	14-16	NC
18	18	0 V2
20	20	NC
22	22	+5 V2
24-30	24-30	NC
32	32	Ground

## MECHANICALS

Face avant ATOS 3U 8TE  
 réf: SH15600  
 Traitement: ALODINE 1200

Sérigraphie dans l'axe des LEDS  
 Hauteur sérigraphie: 2mm  
 Type de caractère: SWIS 721 Cn BT  
 (équivalent: E-NORMAL BLOCK)  
 Les caractères sont remplis  
 Encre couleur: noire



Sérigraphie dans l'axe du connecteur  
 Hauteur sérigraphie: 2mm  
 Type de caractère: SWIS 721 Cn BT  
 (équivalent: E-NORMAL BLOCK)  
 Les caractères sont remplis  
 Encre couleur: noire