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.	
Line regulation	+/- 1 %	+/-1,5 %	+/- 1 %	+/-1,5 %	Low line to high line ; full load
Load regulation	- 4 % / + 2 %	+/- 5 %	- 4 % / + 2 %	+/- 5 %	25 % to full load
Ripple and noise	0.5 %	1 %	0.5 %	1 %	Peak to peak - Bandwidth 20MHz according to o/p voltage
Current limit	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

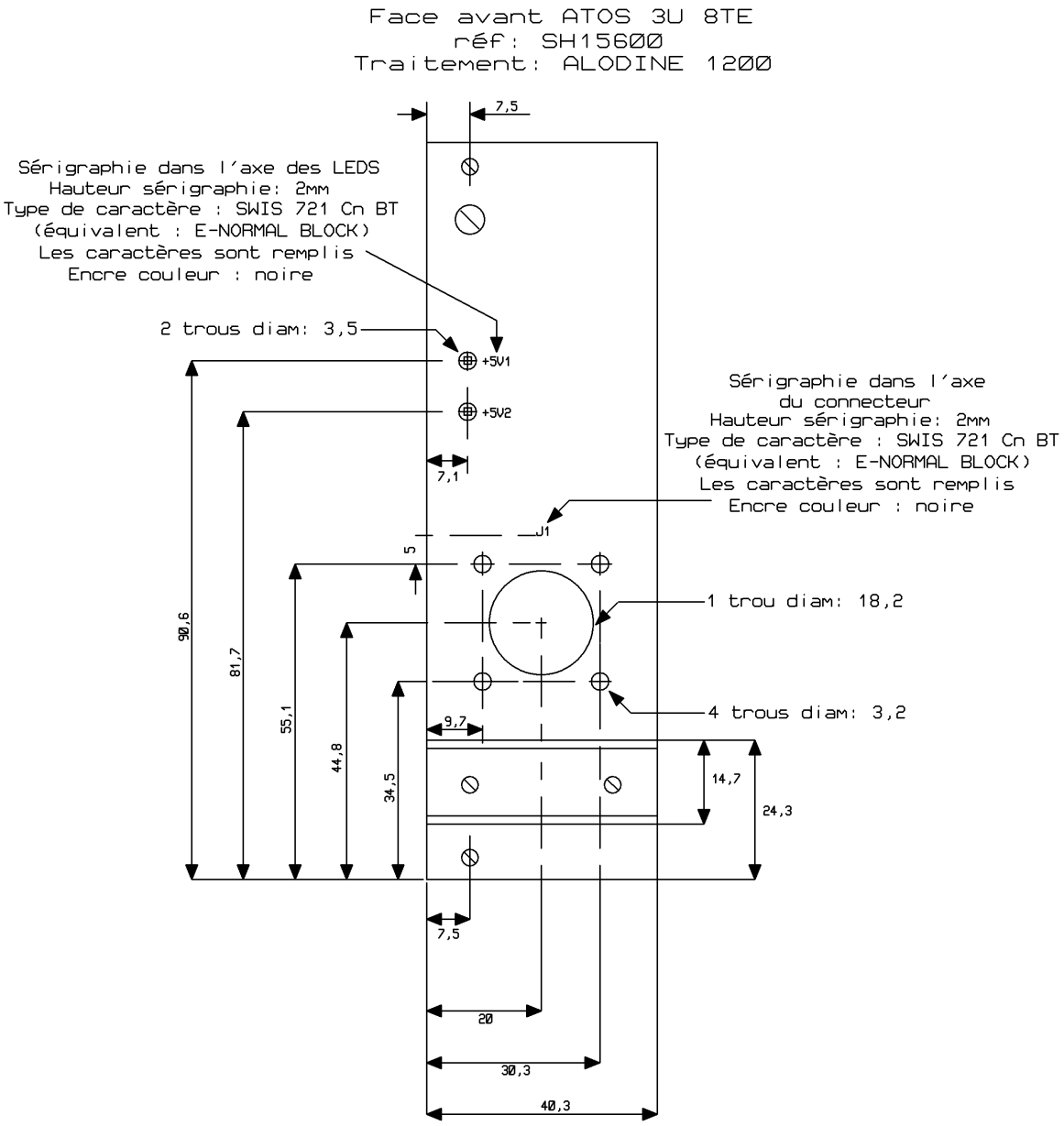
MECHANICALS

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