



**FEATURES**

3U x 14TE x 160 mm  
Input : 110 Vdc  
Output : 12Vdc 300W  
Efficiency : 86 % typ.

**APPLICATIONS**

Railways and industrial applications.

**INPUT**

Voltage range : 77-144Vdc  
Undervoltage turn-on : 75V  
Overvoltage turn-off : 145V  
Input protection : fuse  
transient and surges protected

**OUTPUT**

Voltage : 12Vdc nominal Trim range : 11,5-13Vdc  
Current : 25A nominal

	OUTPUT		Conditions
	Typ.	Max.	
<b>Line regulation</b>	0,2 %	0,2 %	Low line to high line ; full load
<b>Load regulation</b>		0,2 %	No load to full load
<b>Ripple and noise</b>	0,5 %	1 %	Peak to peak, nom. Input ; full load
<b>Current limit</b>	115 %		Vout = 95% of nominal ; Automatic restart
<b>Short circuit current</b>	115 % of I nominal		Vout < 250mV ; Automatic restart

## SIGNALS

Input OK : green led in front panel

## ENVIRONMENTAL

Storage temperature : -25°C to +100°C

Operating temperature : -20°C to +70°C ambient. Convection cooled,  
derating 2,5 % / °C above 50°C

## ISOLATION

Input to chassis : 1500 Vrms

Input to Output : 2500Vrms

Output to Chassis : >100 Mohms at 500 Vdc

## GENERAL

Safety : built to meet EN60950

EMI : built to meet EN55022A, EN50155

**MECHANICALS**

Solder side of the PCB protected by PBT sheet (UL94V0).



**OUTPUT : DIN 41612 H15**

PIN	DESCRIPTION
4	+ 12V
6	+ 12V
8	+ Sense
10	- Sense
12	0V
14	0V
16	NC
18	NC
20	Inhibit
22	NC
24	NC
26	NC
28	- IN
30	+ IN (110Vdc)
32	EARTH