



FEATURES

150 x 70 x 49 mm
INPUT : 12, 24, 48, 72, 110Vdc IN
1 OUTPUT : from 3V3 to 48Vdc up to 100W
Efficiency : 82 % typ.
Convection cooled



APPLICATIONS

This range of power supplies is specially designed for hard environment applications with vibrations and high temperature like railways.

INPUT

Voltage range : 12Vnom Range : 10-20Vdc Limited to 50W
24Vnom Range : 18-36Vdc
48Vnom Range : 36-75Vdc
72Vnom Range : 55-100Vdc
110Vnom Range : 66-160Vdc

Input protection : fuse 3,15A
transient and surges protected
reverse polarity protected

OUTPUT

Voltage : 3V3, 5V, 12V, 25V, 24V, 28V, 48Vdc
Power : From 25W to 100W
Trim range : 50% to 110% (factory adjustable)

	OUTPUT		Conditions
	Typ.	Max.	
Line regulation	0,05 %	0,5 %	Low line to high line ; full load
Load regulation	0,2 %	1 %	No load to full load
Ripple and noise	1,5 %	3 %	Peak to peak, nom. Input ; full load
Current limit	110 to 140 % of I nominal		Vout = 95% of nominal ; Automatic restart

SIGNALS

Input OK :	Led
Output OK :	Output isolated, open collector, closed if output OK.
Inhibit :	General shutdown pin 1,2 CN6 shorted to inhibit.

ENVIRONMENTAL

Storage temperature :	-20°C to +100°C
Operating temperature in natural convection :	-20°C to 70°C ambient Convection cooled, derating 2W/°C above 50°C

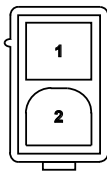
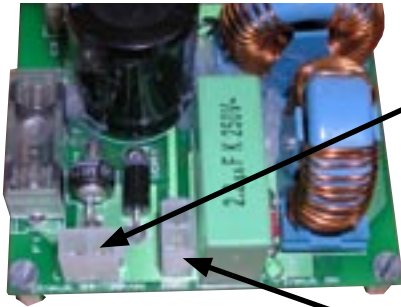
ISOLATION

Input to chassis :	1500 Vrms or 2121 Vdc
Input to Output :	3000 Vrms or 4242 Vdc
Output to Chassis :	>100 Mohms at 500 Vdc

GENERAL

Safety :	built to meet EN60950
EMI :	built to meet EN55022B, EN50121-3-2
ENV :	built to meet EN50155

MECHANICALS



INPUT : MOLEX 39281023

CN1	DESCRIPTION
PIN 1	+ IN
PIN 2	- IN

INHIBIT : MOLEX 39281023

CN6	DESCRIPTION
PIN 1	Inhibit
PIN 2	Inhibit

OUTPUT

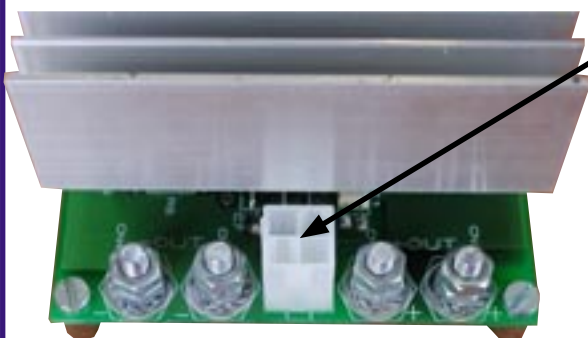
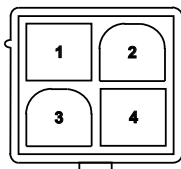
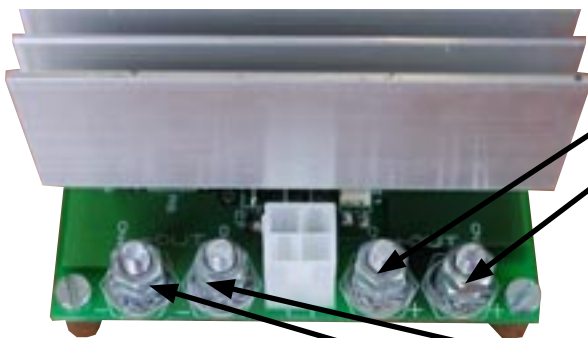
	DESCRIPTION
CN3	+ output
CN2	+ output

OUTPUT

	DESCRIPTION
CN5	- output
CN4	- output

OUTPUT : MOLEX 39281043

CN7	DESCRIPTION
PIN 1	- Sense
PIN 2	+ Sense
PIN 3	Output OK (collector)
PIN 4	Output OK (emettor)

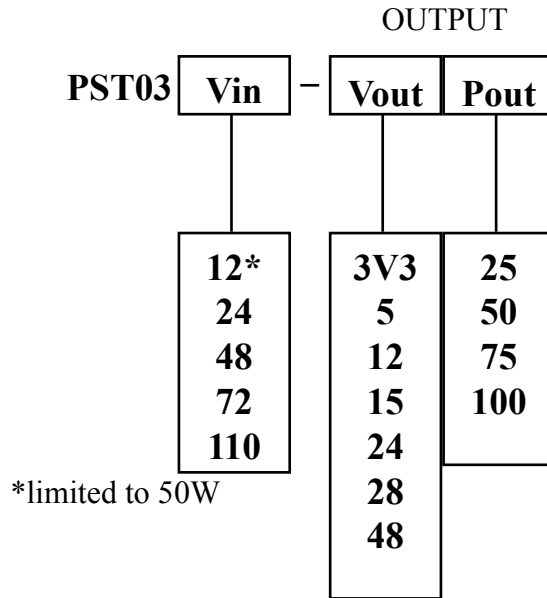


HOW TO ORDER ?

Just fill in.

Input current limited to 3,15A

Pmax : 100W



COMPANY NAME :

ADDRESS :

NAME :

JOB TITLE :

QUANTITY :

DELIVERY DATE :

INFORMATION :

SEND TO :

POWER SYSTEM TECHNOLOGY
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