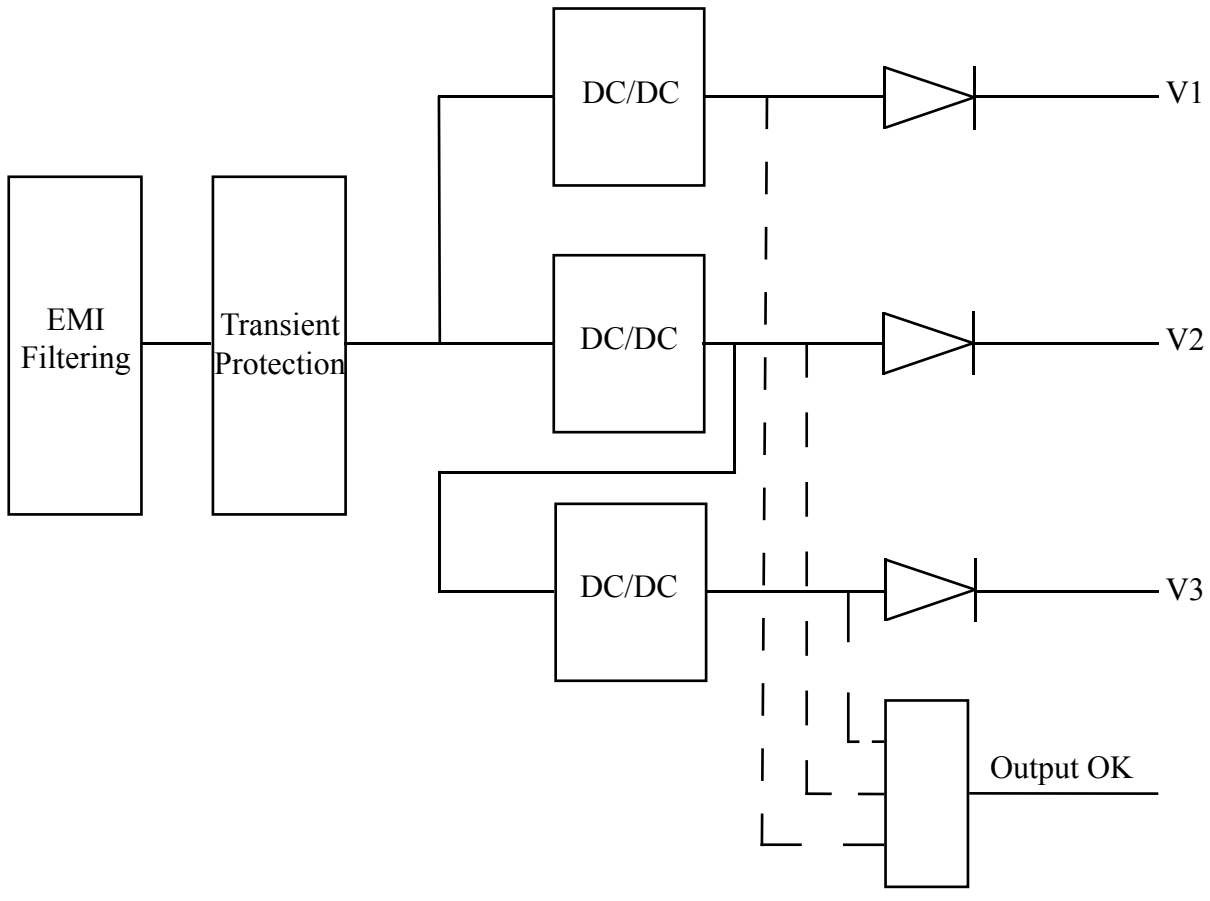
FEATURES

3U x 8TE (4TE) x 160 mm
Vin : 24, 48, 72, 110 Vdc
Vout : From 3,3V to 48V
1 to 3 outputs
Options : N+1, -40°C, 4TE
Pout max : 200W

APPLICATIONS

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

BLOC DIAGRAM



INPUT

Voltage : 24Vdc, range : 18-36Vdc
48Vdc, range : 36-72Vdc
72Vdc, range : 55-100Vdc
110Vdc, range : 66-160Vdc

Transient protection : EN50155

Fuse protection

Reverse polarity protection

EMI : EN55022A, EN50121-3-2, conducted.

OUTPUT

Voltage : V1,V2 : 3,3 to 48V adjustable by potentiometer
V3 : 5 to 48V

Imax : 15A per output

Pmax. : 200W total

Current limit and short circuit : protected on every output

	V1		V2		V3		Conditions
	Typ.	Max.	Typ.	Max.	Typ.	Max.	
Line regulation	0,2 %	0,5 %	0,2 %	0,5 %	0,2 %	0,5 %	Low line to high line ; full load
Load regulation	0,2 %	0,5 %	2 %	3 %	3 %	4 %	10% to full load
Ripple and noise	2 %		2 %		2 %		Peak to peak - Bandwidth 20MHz according to o/p voltage
Current limit	105 to 135 % of I nominal		105 to 135 % of I nominal		105 to 135 % of I nominal		Vout = 95% of nominal ; Automatic restart
Senses	Remote		Remote if V3 is not used		Local		Remote sense has to be connected

SIGNALS

Input OK :	red led in front panel
Output OK :	open collector, closed if outputs OK green led in front panel for each output Note that on V1, V2 when N+1 option is chosen and remote sense is used, the power good led signal is always ON
Inhibit : :	general shutdown, pins 28,32 shorted to inhibit

OPTIONS

N+1 redundancy :	with oring diodes for V1, V2 (- R : see below part numbering)
Extended temperature range :	-40°C ambiant operating (- T : see below part numbering)
Extremely slim case :	4TE wide, replacement of the standard heatsink by an aluminium plate, max. temp. of the plate 95°C (- S : see below part numbering) Consult factory for power derating.

ENVIRONMENTAL

Storage temperature :	-20°C to 105°C
Operating temperature :	-25°C to +95°C heatsink

Operating temperature in natural convection : 90W max. at 55°C, derating 2,5 % / °C above 55°C

ISOLATION

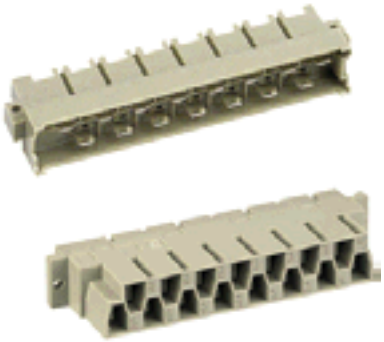
Input to chassis :	1500 Vrms or 2121 Vdc
Input to Output :	3000 Vrms or 4242 Vdc
Output to Chassis :	>100 Mohms at 500 Vdc

GENERAL

Safety :	**built to meet EN60950**
EMI :	**built to meet EN55022, EN50121-3-2, conducted.**
ENV :	**built to meet EN50155**

MECHANICALS

Solder side of the PCB protected by PBT sheet.



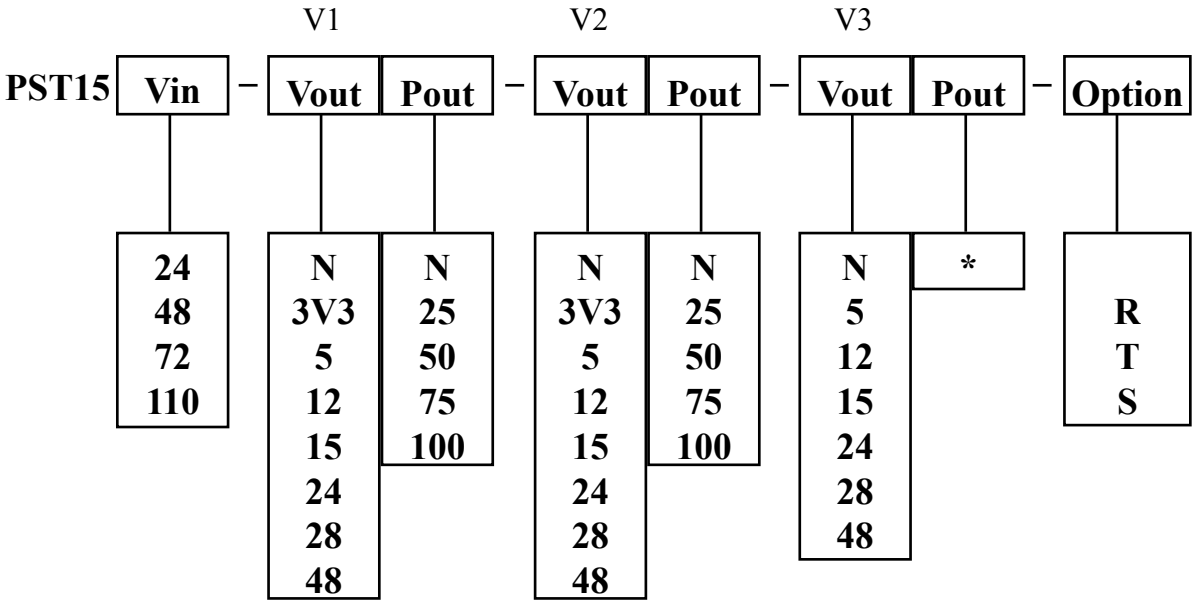
DIN 41612 H15

OUTPUT

PIN	DESCRIPTION
4	V1+
6	V2+
8	V1-
10	V2-
12	S1+
14	S1-
16	NC
18	S2+ or V3+
20	S2- or V3-
22	Output OK+
24	Output OK-
26	Ground
28	Inhibit
30	VIn+
32	VIn-

HOW TO ORDER ?

Just fill in.
Iout max : 15A per output
Pmax : 200W



* 30W max., can be reduced according to the voltage on V2

COMPANY NAME :

ADDRESS :

NAME : JOB TITLE :

QUANTITY : DELIVERY DATE :

INFORMATION :

SEND TO :

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