

- 4:1 Input Range
- DIP24- Package
- Reinforced Insulation rated for Working voltage 300VAC
- 5µA leakage current
- I/O Isolation Voltage 6000VDC
- Safety meets UL60601-1 und UL60950-1
- EMI meets EN55022 Class A
- Continuous short circuit Protection



Model Number	Input Voltage	Output Voltage	Output Current MAX	Input Current		% Eff.
				No Load	Full Load	
EU5-24S05H6	9-36 V	5 VDC	1000 mA	10 mA	260 mA	80
EU5-24S12H6	9-36 V	12 VDC	500 mA	10 mA	295 mA	85
EU5-24D12H6	9-36 V	±12VDC	±250 mA	15 mA	298 mA	84
EU5-24D15H6	9-36 V	±15VDC	±200 mA	15 mA	298 mA	84
EU5-48S05H6	18-72 V	5 VDC	1000 mA	5 mA	130 mA	80
EU5-48S12H6	18-72 V	12 VDC	500 mA	5 mA	149 mA	84
EU5-48D12H6	18-72 V	±12VDC	±250 mA	8 mA	145 mA	83
EU5-48D15H6	18-72 V	±15VDC	±200 mA	8 mA	149 mA	84

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2013

### INPUT SPECIFICATIONS

Input Under Voltage Protection.....	24Vin power up.....	8.8V typ.
	24Vin power down .....	8.0V typ.
	48Vin power up .....	17V typ.
	48Vin power down .....	16V typ.
Input Filter .....		PI Type
Leakage Current .....		5µA max
Input Surge (100ms max.) .....	24V in .....	50V max
	48V in .....	100V max

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### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Voltage Balance (Dual) .....		± 2.0% max
RIPPLE AND NOISE, 20MHz BW .....	5V .....	max. 100mVpp
	12V & 15V .....	max. 1%pp
Temperature Coefficient .....		±0.05%/C max
Line Regulation <sup>1</sup> .....		±0.5%max
Load Regulation .....	Single <sup>2</sup> .....	±0.5%max
	Dual <sup>3</sup> .....	±1.0%max
Cross Regulation (Dual output) Load cross variation 25%/100% .....		5% max
Short Circuit Protection .....		continuous
Start up time .....		1.5 ms typ.

### GENERAL SPECIFICATIONS

ISOLATION RESISTANCE .....		1000 MOhm
ISOLATION CAPACITANCE .....		40pF typ.
SWITCHING FREQUENCY.....		100KHz min
REINFORCED ISOLATION .....	Creepage Distances .....	8 mm min
	Air Clearances .....	8 mm min
OPERATING TEMPERATURE RANGE.....		-40°C TO +71°C
DERATING, ABOVE 71°C .....		LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE <sup>4</sup> .....		100°C max.
STORAGE TEMPERATURE RANGE.....		-40°C TO +100°C
CASE MATERIAL .....		Non-Conductive Conductive Black Plastic
DIMENSIONS .....	DIP24.....	1,25×0,80×0,40 INCHES (31.8 × 20.3 × 10.2mm)

### ISOLATION VOLTAGE

6000VDC min .....	1 min
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#### NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Measured From Full Load To 25% Load
4. Maximum case temperature under any operating conditions should not exceed 100°C

### Ordering Instructions

EU5 - 24 S 12 H6

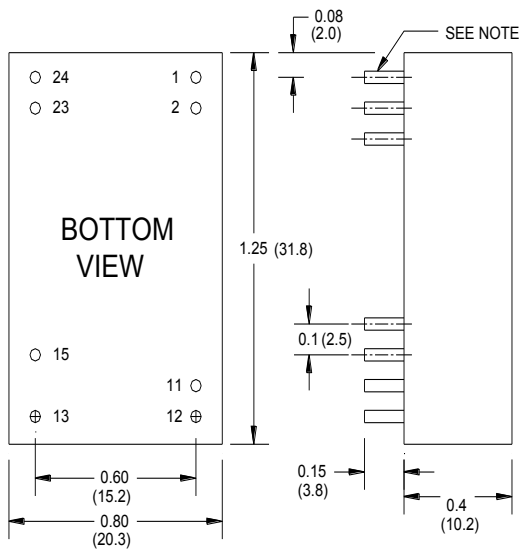
Series	Input	Single	Output	Isolation Voltage 6000VDC
		Dual		

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<b>MECHANICAL SPECIFICATIONS</b>	<b>PIN CONNECTION</b>
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### CASE A

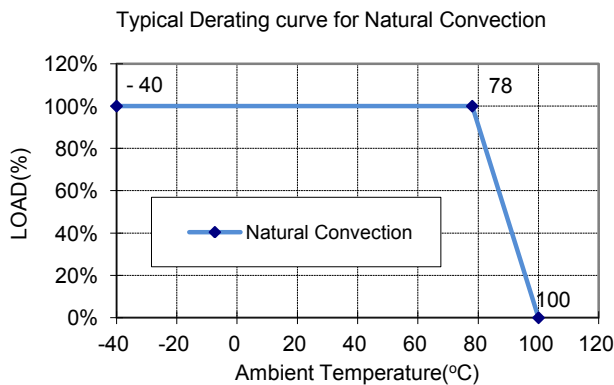


PIN	SINGLE	DUAL
1	+V in	+V in
2	+V in	+V in
11	NP	Common
12	- V out	NP
13	+V out	- V out
15	NP	+V out
23	-V in	-V in
24	-V in	-V in

NOTE: NP = No Pin

NOTE: Pin Size = 0.02" (0.5mm) Ø

### DERATING CURVE



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