



- Single Phase or Three Phase input versions available
- Wide Range AC input with PFC
- Designed for Rugged Industrial Applications
- Convection Cooled
- Semi F47 Compliant
- 3 Year Warranty

**Key Market Segments & Applications**

Industrial Controls: Motor Control Systems  
 Factory Automation: Process Control, Automotive, Chemical Processing  
 Test & Measurement: Burn in & Test, Instrumentation Measurement

**DHP Series**

**240 to 960W Single Output DIN Rail Mount Power Supplies**

**DHP Features and Benefits**

**Features**

- PFC Compliant to EN61000-3-2
- UL508 Approvals
- TS35/7.5 or TS35/15 DIN Rail Mounting

**Benefits**

- Supports Global Use
- Easier System Certification
- Easy System Integration

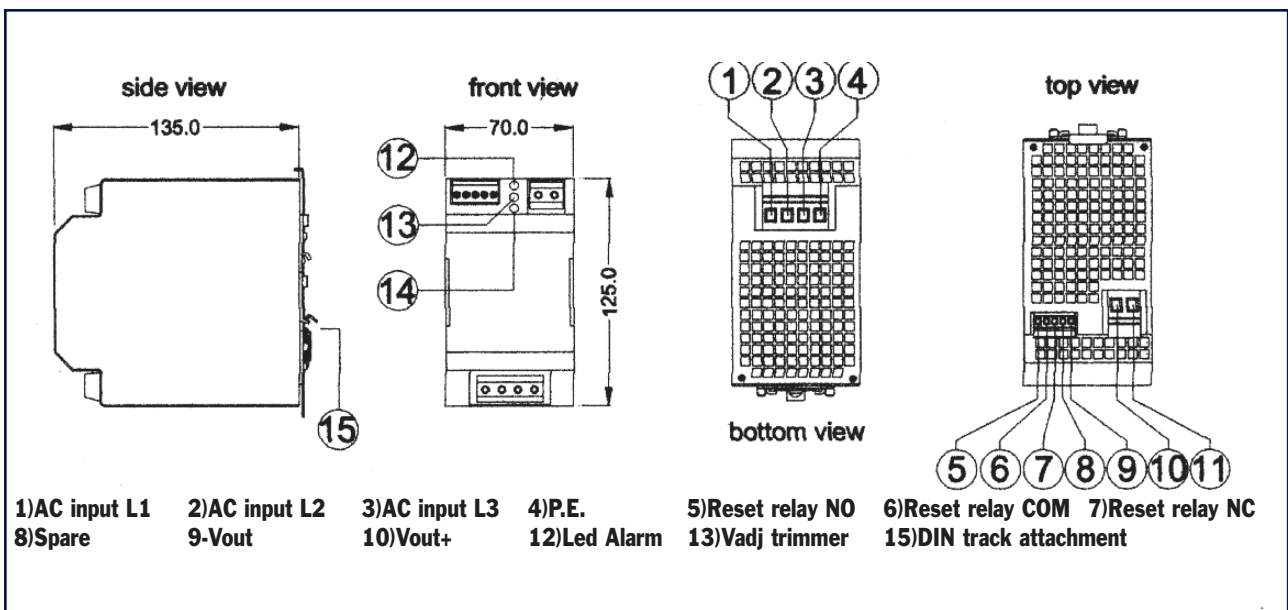
**Specifications**

ITEMS		MODELS	DHP240-24-3	DHP480-24-1	DHP480-24-3	DHP960-24-3
Output Voltage	V		24V	24V	24V	24V
Output Current	A		10A	20A	20A	40A
Output Power	W		240W	480W	480W	960W
Output Voltage Adjustment	V		21.6 - 28V			
Max Line Regulation	%		1%			
Max Load Regulation	%		1%			
Dynamic Line Regulation	%		0.1% max. (+/-10% input change)			
Dynamic Load Regulation	%		5% max. (10 - 90% load change)			
Output Recovery Time	mS		1mS max.			
Max Ripple & Noise	mV		100mV pk-pk, 20MHz bandwidth			
Input Voltage range	VAC		340V to 576V three phase	85V to 264V single phase	340V to 576V three phase	340V to 576V three phase
DC Input Voltage Range	VDC		480 to 810	120 to 370	480 to 810	480 to 810
Low Line Protection	-		Protected against external low line condition			
Typ.Efficiency High line full load	%		90	86	89	91
Power Factor (230VAC) Typ	-		0.95	0.98	0.86	0.87
Inrush Current (Ta= +25°C)	A		30	40	40	30
Max. Leakage Current	mA		3.5	1.5	3.5	3.5
Hold up time	ms		15	20	15	15
Overcurrent Protection	-		constant current 150% Max			
Overvoltage Protection	-		30 - 35V Shutdown, manual reset			
LED Indicators	-		Green LED = DC OK, Red LED = O/P dropped >2V			
Operating Temperature	-		-10°C to +70°C derate linearly to 50% load from 60 to 70°C			
Storage Temperature	-		-40°C to +85°C			
Temperature Drift	%		<0.05% per °C			
Operating Humidity	-		10 - 90% RH non condensing			
Cooling	-		Convection			
Withstand Voltage	-		I/P to Grnd 2kVAC, I/P to O/P 3kVAC, O/P to Grnd 500VDC			
Safety Agency Approvals	-		UL508, UL60950, EN60950, & CE Mark			
EMI (Radiated and Conducted)	-		EN55011/EN55022-A, FCC-A, EN61203, IEC1000-4-1			
Immunity	-		EN61000-4-2, -3, -4, -5, -6, -8, -11			
Voltage Sag Immunity	-		Semi F47 Compliant			
Signals and Controls	-		Undervoltage Alarm Relay and Enable (Low = On)			
Weight (Typ)	g		1000	2000	2000	3300
Vibration	-		11.8 m/S (1.2G) at DIN Rail (10-55Hz: 11.8 m/S Constant X,Y,Z each 1min)			
Shock	-		196 m/S (20G)			
Size (HxWxD)	mm		125x70x135	125x140x135	125x140x135	125x220x135
Warranty	yrs		3 Years			

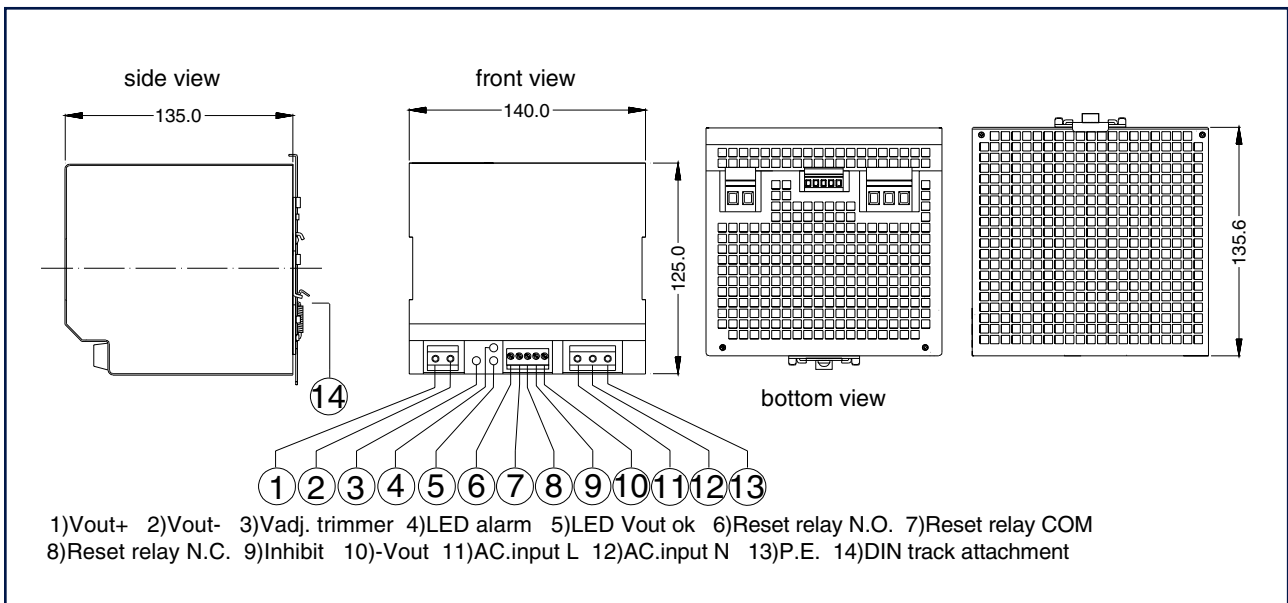
### Model Selector

Model	Voltage (V)	Voltage Adjust (V)	Current (A)	Power. (W)
DHP240-24-3	24	21.6 - 28	10	240
DHP480-24-1	24	21.6 - 28	20	480

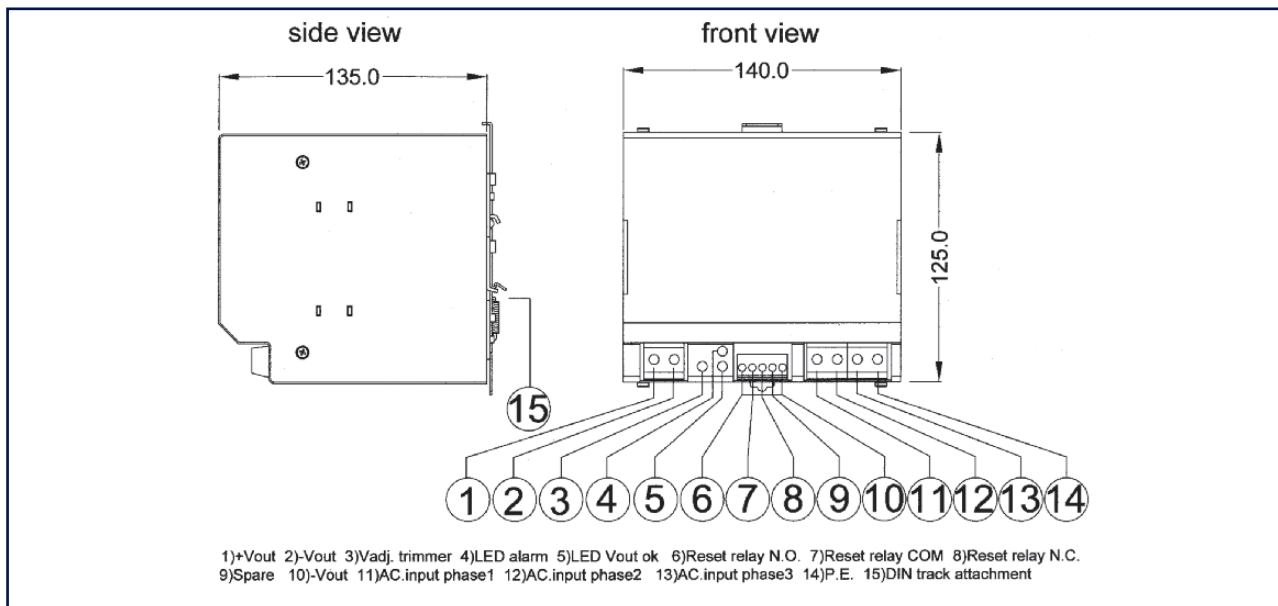
### DHP 240-3 Outline Drawing



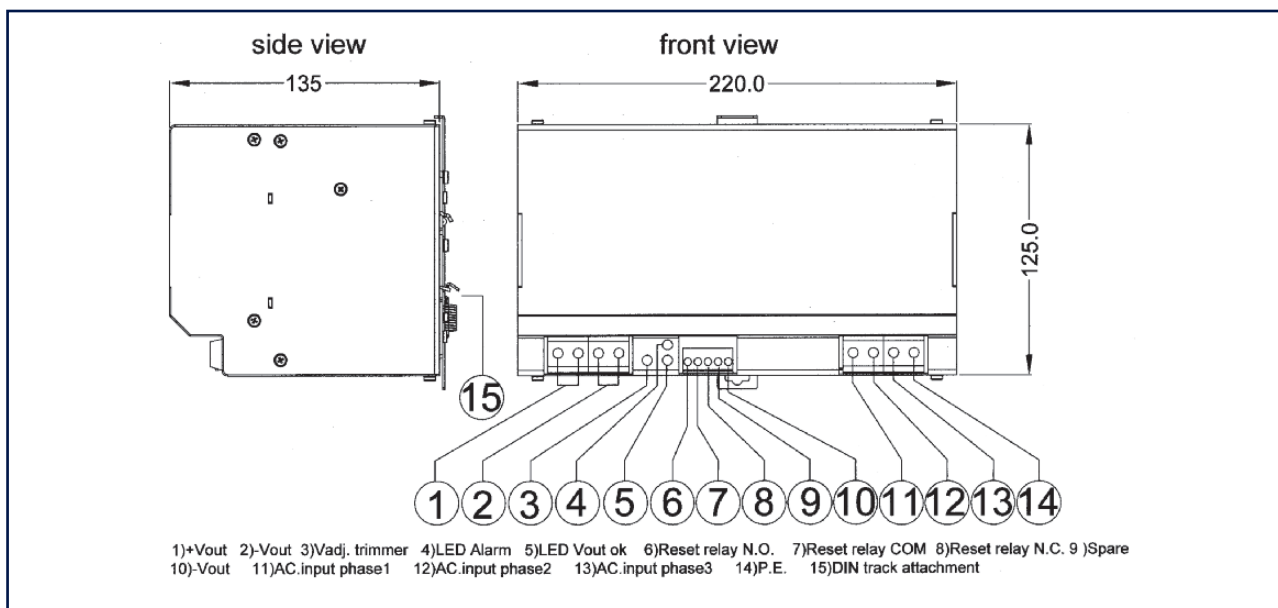
### DHP480-1 Outline Drawing



**DHP480-3 Outline Drawing**



**DHP960-3 Outline Drawing**



**TDK-LAMBDA EMEA**

[www.emea-tdk-lambda.com](http://www.emea-tdk-lambda.com)



**TDK-Lambda France SAS**

ZAC des Delaches  
 BP 1077-Gometz-le-Chatel  
 91940 Les Ulis  
 France  
 Tel: +33 1 60 12 71 65  
 Fax: +33 1 60 12 71 66  
[france@fr.tdk-lambda.com](mailto:france@fr.tdk-lambda.com)  
[www.fr.tdk-lambda.com](http://www.fr.tdk-lambda.com)



**Italy Sales Office**  
 Via dei Laboratori 128/130  
 20092 Cinisello Balsamo (MI)  
 Italy  
 Tel: +39 02 61 29 38 63  
 Fax: +39 02 61 29 09 00  
[info.italia@it.tdk-lambda.com](mailto:info.italia@it.tdk-lambda.com)  
[www.it.tdk-lambda.com](http://www.it.tdk-lambda.com)



**TDK-Lambda Germany GmbH**

Karl-Bold-Strasse 40  
 77855 Achern  
 Germany  
 Tel: +49 7841 666 0  
 Fax: +49 7841 5000  
[info.germany@de.tdk-lambda.com](mailto:info.germany@de.tdk-lambda.com)  
[www.de.tdk-lambda.com](http://www.de.tdk-lambda.com)



**Austria Sales Office**  
 Aredstrasse 22  
 2544 Leobersdorf  
 Austria  
 Tel: +43 2256 655 84  
 Fax: +43 2256 645 12  
[info.germany@de.tdk-lambda.com](mailto:info.germany@de.tdk-lambda.com)  
[www.de.tdk-lambda.com](http://www.de.tdk-lambda.com)



**TDK-Lambda UK Ltd.**

Kingsley Avenue  
 Ilfracombe  
 Devon EX34 8ES  
 United Kingdom  
 Tel: +44 (0) 12 71 85 66 66  
 Fax: +44 (0) 12 71 86 48 94  
[powersolutions@uk.tdk-lambda.com](mailto:powersolutions@uk.tdk-lambda.com)  
[www.uk.tdk-lambda.com](http://www.uk.tdk-lambda.com)



**Nemic Lambda Ltd.**

Kibbutz  
 Givat Hashlosha 48800  
 Israel  
 Tel: +9 723 902 4333  
 Fax: +9 723 902 4777  
[info@nemic.co.il](mailto:info@nemic.co.il)  
[www.nemic.co.il](http://www.nemic.co.il)



**Russia**

Technical Support:  
 St Petersburg  
 Tel: +7 (812) 6580463  
 Sales:  
 Moscow  
 Tel: +7 (499) 7557732  
[info@tdk-lambda.ru](mailto:info@tdk-lambda.ru)  
[www.tdk-lambda.ru](http://www.tdk-lambda.ru)

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