


LAMBDA

- 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

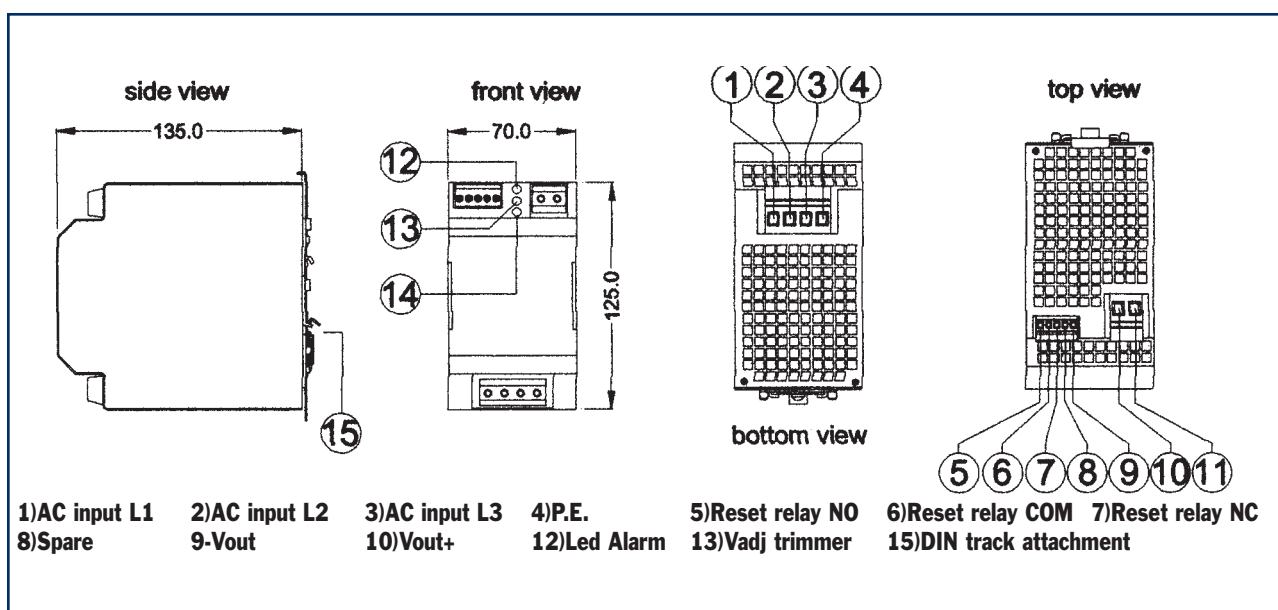
Specifications

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			

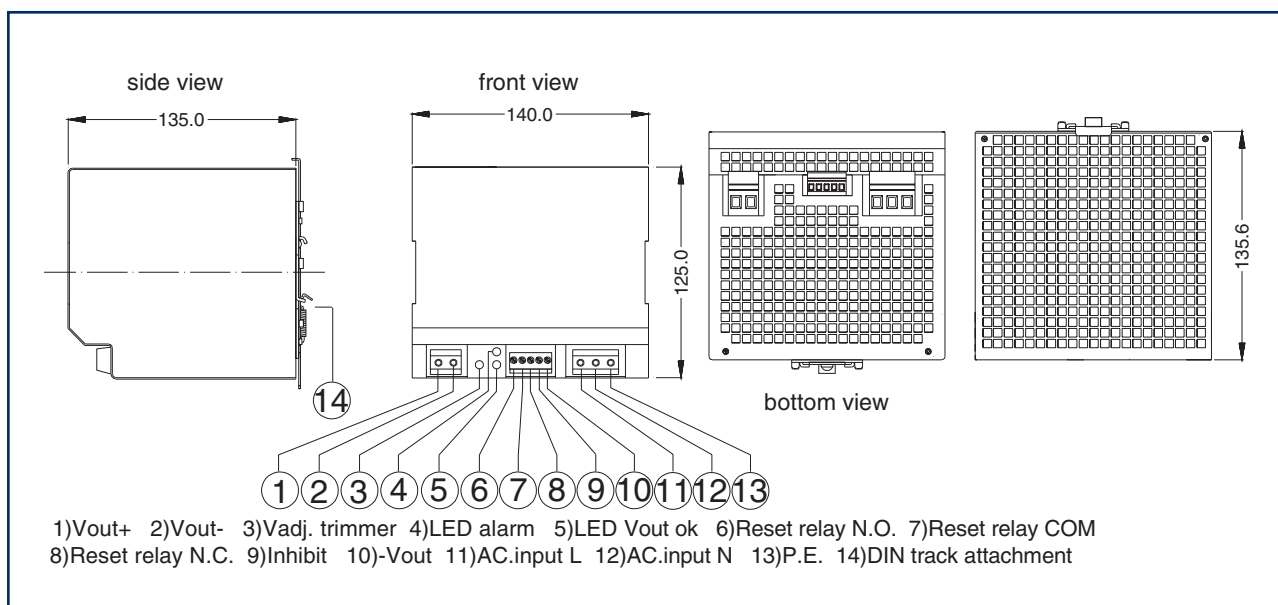
Model Selector

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
DHP480-24-3	24	21.6 - 28	20	480
DHP960-24-3	24	21.6 - 28	40	960

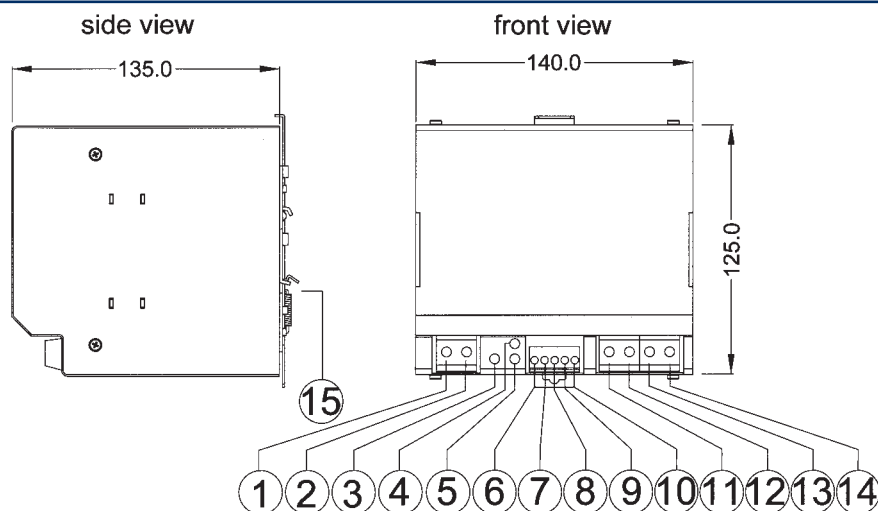
DHP 240-3 Outline Drawing



DHP480-1 Outline Drawing

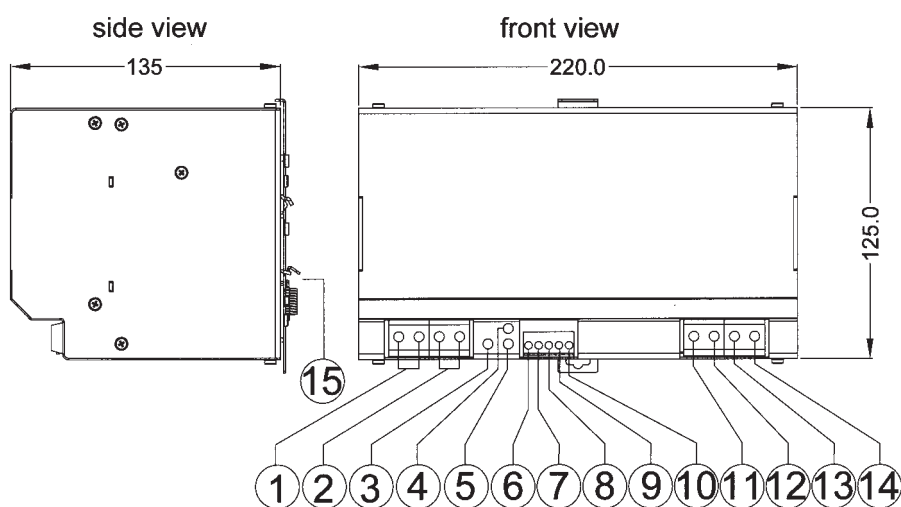


DHP480-3 Outline Drawing



1)+Vout 2)-Vout 3)Vadj. trimmer 4)LED alarm 5)LED Vout ok 6)Reset relay N.O. 7)Reset relay COM 8)Reset relay N.C. 9)Spare 10)-Vout 11)AC.input phase1 12)AC.input phase2 13)AC.input phase3 14)P.E. 15)DIN track attachment

DHP960-3 Outline Drawing



1)+Vout 2)-Vout 3)Vadj. trimmer 4)LED Alarm 5)LED Vout ok 6)Reset relay N.O. 7)Reset relay COM 8)Reset relay N.C. 9)Spare 10)-Vout 11)AC.input phase1 12)AC.input phase2 13)AC.input phase3 14)P.E. 15)DIN track attachment

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