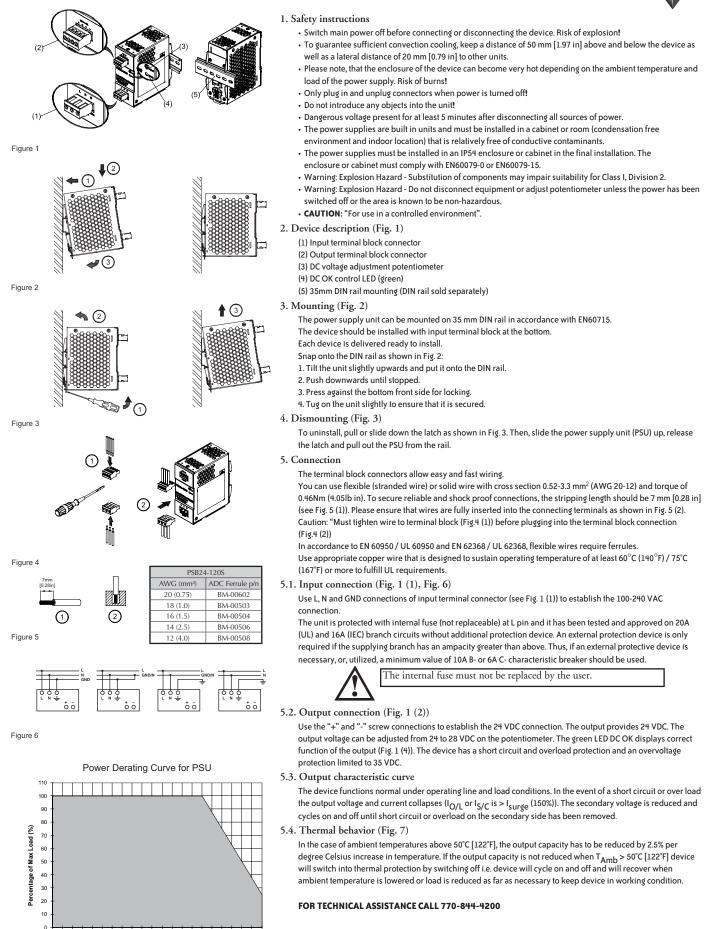
RHINO Installation Instructions for PSB24-120S Power Supply



READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.



-25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 Surrounding Air Temperature (*C) -13 4 5 14 23 32 41 50 59 68 77 86 95 104 113 122 131 140 149 158 167 176 Surrounding Air Temperature (*F)

Technical Data For PSB24-120S

Input (AC)	
Nominal input voltage and frequency	100-240VAC / 50-60 Hz
Voltage range	85-264VAC
Frequency	47-63Hz
Nominal current	< 2.20A @ 115 VAC, < 1.10A @ 230VAC
Inrush current limitation. I2t (+25 °C) typ.	< 35A @ 115VAC & 230VAC
Mains buffering at nominal load (typ.)	> 20ms @ 115VAC, > 115ms @ 230VAC
Turn-on time	< 1.0 sec.
Internal fuse	T 4 AH / 250 VAC (non-replaceable)
Leakage current	< 1 mA @ 240 VAC
Output (DC)	
Nominal output voltage U_N / tolerance	24VDC ± 2 %
· - N	
Adjustment range of the voltage	24-28VDC (maximum power ≤ 120W)
Nominal current	5A
Derating	> 50°C [122°F] (2.5 % / °C)
Startup with capacitive loads	Max. 10,000 μF
Max. power dissipation idling / nominal load approx.	14.8W
Efficiency	> 89.0% @ 115 VAC & 230 VAC
Residual ripple/ peak switching (20 MHz) (at nominal values)	< 50 mVpp / < 150 mVpp
Parallel operation	PSB60-REM20S / PSB60-REM40S or with ORing Diode
General Data	
Type of housing	Aluminum (Al5052)
Signals	Green LED DC OK
MTBF	> 800,000 hrs.
Dimensions (L x W x H)	121 mm x 50 mm x 123 mm [4.76 in x 1.97 in x 4.84 in]
Weight	0.72 kg [1.59 lb]
Connection method	Screw connection
Wire size / torque	0.52-3.3 mm ² (AWG 20-12) / 0.46Nm (4.05lb in)
Stripping length	7 mm [0.28 in]
Ambient Operating temperature	-25°C to +80°C [-13°F to 176°F] (Refer to Fig. 7)
Storage temperature	-25°C to +85°C [-13°F to 185°F]
Humidity at +25°C, no condensation	<95 % RH
Shock	30G (300m/s ²) in all directions according to IEC60068-2-27
Vibration (Non-operating)	10 to 500Hz @ 30m/s ² (3G peak), displacement of 0.35mm, 60 min per axis for all X, Y, Z direction. in accordance with IEC 60068-2-6
Pollution degree	2
Climatic class	3K3 according to EN 60721
Certification and Standards	
Electrical Equipment of machines	IEC60204-1 (over voltage category III)
Electronic equipment for use in electrical power installations	EN 62477-1 / IEC62103
Safety entry low voltage	PELV (EN 60204), SELV (EN 60950)
Electrical safety (of information technology equipment)	UL/C-UL recognized to UL60950-1 and CSA C22.2 No. 60950-1 (file no. E198298), CB scheme to IEC60950-1, UL/C-UL recognized to UL62368-1 and CSA C22.2 No. 62398-1 (file no. E508040), CB scheme to IEC62368-1
Industrial control equipment	UL/C-UL listed to UL2508 and CSA C22.2 No. 107.1-01 (file no. E197592), CSA to CSA C22.2 No. 107.1-01 (file no. 249074)
	cCSAus to CSA C22.2 No. 213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +80°C
Hazardous Location	(> +50°C derating), (file no. 249074)
Protection against electric shock	DIN 57100-410
CE	In conformance with EMC directive 2014/30/EU and low voltage directive 2014/35/EU
Component power supply for general use	EN61204-3
ITE	EN55032, EN61000-3-2, EN61000-3-3, EN55024
Industrial	EN55011
Limitation of mains harmonic currents	EN61000-3-2
i	Yes
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Safety and Protection	197592 197692 198. 19
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