



CE

220-240 VAC Input, 24 VDC Output Rugged design for harsh environment Short circuit protection Over temperature, over load and over

Over temperature, over load and over voltage protection

LED-Indicator for DC ON Cooling by free air convection 100% fully tested, incl. burn-in

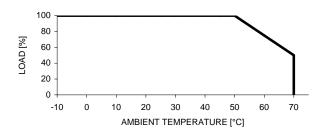
CE	3 year warranty	
SPECIFICATIONS	DN-120-24	DN-120-48
INPUT		
Voltage Range	187 - 264 VAC	187 - 264 VAC
Frequency Range	47 - 63 Hz	47 - 63 Hz
Current (Typ)	1.0 A	1.0 A
In-rush Current	30 A	30 A
Efficiency (Typ)	86%	87%
OUTPUT		
Rated Current/Power	5 A / 120W (note derating)	2.5 A / 120W (note derating)
Current Range	0 - 5 A	0 - 2.5 A
Ripple and Noise	max 50 mVp-p	max 50 mVp-p
Voltage	24.0±0.05 V	48.0±0.1 V
Line / Load Regulation	20 mV / 50 mV	20 mV / 50 mV
Hold-up Time	> 25 ms	> 25 ms
Adjustable Output	21 - 28 V	40 - 55 V
PROTECTION		
Overload	102 - 110%	102 - 110%
Short circuit	Max 7.0A	Max 3.5A
	Automatic recovery after fault removed	
Over Voltage	26 - 30 V	56 - 59 V
	Unit shuts down and restarts after fault removed	
Over Temperature	Unit shuts down and recovers after cooldown	
GENERAL		
Operating Temperature	-1070°C (note derating)	-1070°C (note derating)
Storage Temperature	-2585°C	-2585°C
Lifetime expectancy	min 5.7 years	min 6.8 years
STANDARDS		
Safety	EN 60950-1:2006, A11:2009	EN 60950-1:2006, A11:2009
EMI	EN 55022:2006,A1:2007	EN 55022:2006,A1:2007
Harmonic current	EN 61000-3-2:2006, Class A	EN 61000-3-2:2006, Class A

DERATING

Temperature Derating 2.5% / 'C from T>50'C

Mains Fluctuations

EMS Immunity



EN 61000-3-3: 2008

EN 55024:1998,

A1:2001+A2:2003

NOTES:

Unit mounted vertically, 25 mm clearance to the side, ventilation slots not covered Unless specified else, all values are given at rated load, 230VAC, 25°C ambient and after warm-up

EN 61000-3-3: 2008

EN 55024:1998,

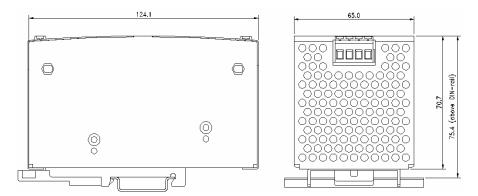
A1:2001+A2:2003



DN-120 SERIES 120W INDUSTRIAL DIN-RAIL POWER SUPPLY



DIMENSIONS



MOUNTING WIRING DIN-RAIL: TS35/7.5 or TS35/15 or according to EN 50022. Output wires at top. Input and Output 24 - 12AWG 0.5 - 2.5 mm2 Screw Torque 5 kgf cm

SAFETY NOTES



1. Read Instructions!

Before working with this unit, read these instructions carefully and completely. Make sure that you have understood all the information and comply with all notes!

2. Disconnect system from supply network!

Before any installation, maintenance or modification work, disconnect your system from the supply network and ensure it cannot be reconnected inadvertantly. Touching of any live components or improper handling of this power supply can result in failure, death, severe personal injury or substantial property damage

3. Mounting Instructions

- Snap unit vertically onto specified DIN-rail. Cages of ouput connectors shall face to the top. Insert unit with a hearable click onto rail. Shake unit to verify locking action.
- Sufficient air-cooling must be ensured, do not cover any ventilation holes! Leave sufficient space around the unit for cooling! Recommended is 25 mm

4. Installation Instructions

The power supplies are constructed in accordance with the safety requirements of IEC/EN60950-1.

Safe operation depends on proper storage, installation and operation.

- The unit must be installed and put into service appropriately by qualified personnel only
- When use stranded wires, all strands must be fastened in the terminal blocks
- Unit and power supply cables must be properly fused
- All output wires must be rated for the power supply output current and must be connected with the correct polarity
- Do not operate without PE connection! To comply with EMC and safety standards the power supply must be operated only if PE terminal is connected to the non-fused earth conductor
- Do not introduce any object into the unit! Keep away from fire and wet conditions or water!
- Only connect or disconnect plugs of connectors when power is off!
- The unit does not contain any service parts. For safety reasons, do not open the power supply. If malfunction occurs under normal operating conditions, return unit to factory for inspection. This also applies when internal fuse is blown.

5. Recycling

The unit contains elements that are suitable for recycling, and components that need special disposal. You are therefore requested to make sure that the power supply will be recycled at the end of its service life.

6. Usage

This power supply is Built-In Equipment, for Indoor Use only. It is an industrial device and must not be used in equipment where malfunctioning cannot cause severe personal injury, or threaten human life.

7.Disclaime

Information given in this document is believed to be accurate and may changed without any notice