

ADN Series - 3-Phase

120-960 Watts

Total Power: 120-960 Watts

Input Voltage: 380-480 Vac

Outputs: Single



Special Features

- Complies with EN61000-3-2
- DC OK Signal (indicator)
- Adjustable voltage
- Industrial grade design (no derating to 60 °C)
- User-friendly front panel
- Single phase input available
- Highly efficient >90% switching technology
- High MTBF and reliability
- Peak current capability 2x rated current for 2 seconds
- Three year warranty

Safety

- CB
- EN60950
- EN50178
- EN60204
- UL508 Listed
- cULus
- UL 60950
- cURus
- CE
- EN61000-3-2
- IEC 60079-15 Class 1

Electrical Specifications

Input	
Nominal voltage:	380-480 VAC
AC Input range:	340-576 Vac
DC Input range:	450-820 Vdc
Frequency:	47-63 Hz, 500 Hz
Phase:	1Ø or 3Ø on 5, 10 & 20 A models. (On 20 A unit, derate to 75% when operating 1Ø). 30 A & 40 A models are 3Ø only
Output	
Nominal Voltage:	24 V (22.5 - 28.5 VDC Adj.)
Hold-up time:	> 20 ms at full load (25 °C)
Tolerance:	< ± 2% overall (combination line/load/time/temp)
Line regulation:	< 0.5%
Load regulation:	< 0.5%
Time and temp. drift:	< 1%
Initial voltage setting:	24.5 V ± 1%
Ripple:	< 50mVpp
Overvoltage protection:	> 30.5 < 33 Vdc

Environmental Specifications

Storage/Shipment:	-25 °C to +85 °C
Operating (convection):	-10 °C to +60 °C (derate to 50% at +70 °C)
Humidity:	<90% RH noncondensing per IEC 68-2-2, 68-2-3 IP20 (EN60529), protection from moisture and condensation

Ordering Information

Model Number	Weight	Power	Voltage	Current
ADN5-24-3PM	1.7 lbs (730g)	120W	380-480 Vac	5 A
ADN10-24-3PM	2.16 lbs (980g)	240W	380-480 Vac	10 A
ADN20-24-3PM	3.97 lbs (1800g)	480W	380-480 Vac	20 A
ADN30-24-3PM	4.0 lbs (2000g)	720W	380-480 Vac	30 A
ADN40-24-3PM	6.6 lbs (3300g)	960W	380-480 Vac	40 A

Dimensions - inches (mm)

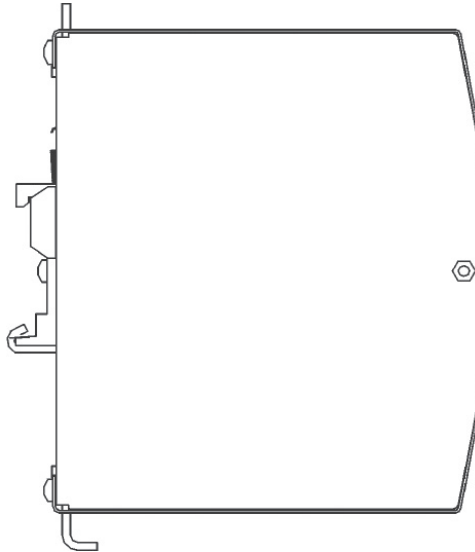
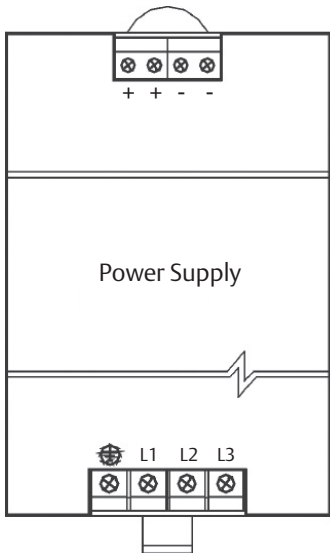
	Height	Width	Depth
ADN5-24-3PM	4.88 (124)	2.91 (73)	4.55 (116)
ADN10-24-3PM	4.88 (124)	3.50 (89)	4.55 (116)
ADN20-24-3PM	4.88 (124)	5.90 (150)	4.55 (116)
ADN30-24-3PM	4.88 (124)	9.72 (247)	4.55 (116)
ADN40-24-3PM	4.88 (124)	11.10 (282)	4.55 (116)

Installation

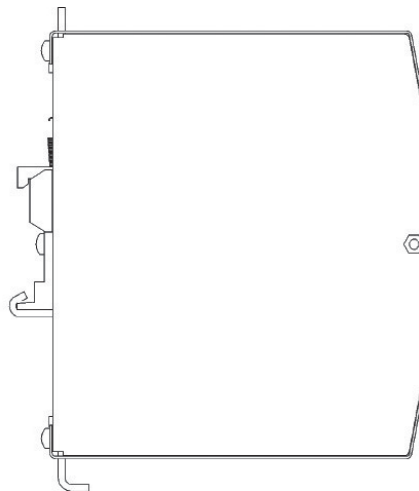
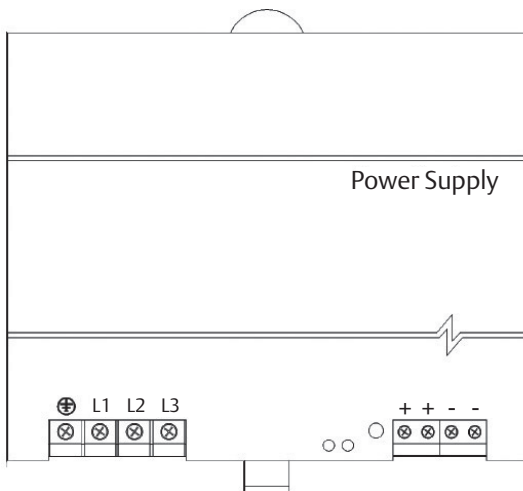
Fusing:		
- Input:	Internally fused.	
- Output:	Outputs are capable of providing high currents for short periods of time for inductive load startup or switching. Fusing may be required for wire/loads if 2x Nominal O/P current rating cannot be tolerated. Continuous current overload allows for reliable fuse tripping.	
Mounting:	Simple snap-on system for DIN Rail TS35/7.5 or TS35/15 or chassis-mounted (optional screw mounting set SDN-PMBRK2 required).	
Connections:	Input: IP20-rated screw terminals, connector size range: 16-10 AWG (1.5-6 mm ²) for solid conductors. 16-12 AWG (0.5-4 mm ²) for standard conductors. Output: Two connectors per output, connector size range: 16-10 AWG (1.5 - 6mm ²) for solid conductors.	
Case:	Fully enclosed metal housing with fine ventilation grid to keep out small parts.	
- Free Space:	25 mm above and below 25 mm left and right 15 mm in front	70 mm above and below 25 mm left and right 15 mm in front

Mechanical Drawing

ADN5



ADN10-40



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