

ADNB-C Series

60 Watts

Data Sheet

Total Power: 60 Watts
Input Voltage: 88 - 264 Vac
 124 - 370 Vdc
of Outputs: Single

SPECIAL FEATURES

- Universal input 88 - 264 Vac
- High efficiency 88% typical
- Full power at 50 °C
- Adjustable output voltage
- Overvoltage protection
- Overload protection
- LED for output
- Screw terminal connections
- RoHS compliant
- No tools required for mounting
- Three year warranty

SAFETY*

- UL508
- UL1310 Class 2
- TÜV EN60950-1
- CE

*AC input only



Electrical Specifications

Input	
AC input range	Nominal: 88 - 264 Vac
DC input range	124 - 370 Vdc
Frequency	47 - 63 Hz
Efficiency	88%
Inrush current (typical)	< 30 A (115 Vac) or <60 A (230 Vac)
Output	
Nominal voltage	12 V, 15 V, 24 V, 48 V
Initial voltage setting	1%
Hold-up time	> 16 ms (115 Vac), > 32 ms (230 Vac) at full load
Voltage regulation	± 1% line regulation; ± 1% load regulation
Ripple	180 mV p-p
Overload protection	> 102% of rated output current, hiccup mode and auto recovery after fault condition removed.
Overvoltage protection	115% of Vo nominal, latch-off mode
Time and temperature drift	< 0.03%

General Specifications

EMC emissions	EN55022 Radiated and Conducted Class B
EMC standard	EN61000-3-2; 2006 Class A, EN61000-3-3: 1995 + A1: 2001 + A2: 2005 EN61204-3: 2000, EN55024: 1998 + A1: 2001 + A2: 2003 light industry level, criteria A
Warranty	3 Years
Status indicators	Visual: DC ON (LED)

Environmental Specifications

Storage temperature	-40 °C to + 85 °C
Operating temperature	From -20 °C to 70 °C. Derate starting at 50 °C
Vibration	0-500 Hz, 2 G 10 min/1 cycle, along X, Y, Z each axis, 60 min for each axis

Other Features

External fusing	Not required. Unit provides internal fuse (not accessible)	
Mounting orientation	Standard: Vertical Simple snap-on to DIN TS35/7.5 or TS35/15 rail system	
Ventilation	Normal convection, No fan required	
Cooling spacing	All models	All sides, 25 mm free space
Connections	Input/Output: Screw terminals, 24-10 AWG (0.2 – 4 mm ²) for flexible/solid cable, Input connector can withstand torque at maximum 9 pound-inches. Output connector can withstand torque at maximum 5.5 pound-inches 8 m/m stripping at cable end recommends	

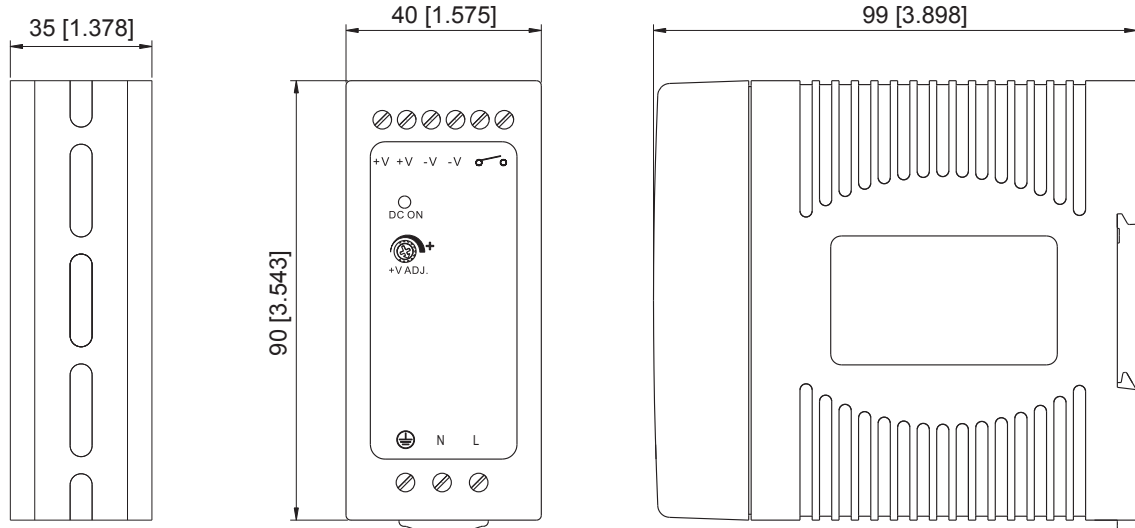
Ordering Information

Model Number	Power	Input Voltage	Weight	Output	Efficiency	MTBF
						MIL-HDBK-217F
ADNB050-12-1PM-C	60 W	88 - 264 Vac 124 - 370 Vdc	0.66 lbs (300 g)	12 V @ 5 A	79%	407.1 KHrs
ADNB040-15-1PM-C	60 W	88 - 264 Vac 124 - 370 Vdc	0.66 lbs (300 g)	15 V @ 4 A	86%	407.1 KHrs
ADNB025-24-1PM-C	60 W	88 - 264 Vac 124 - 370 Vdc	0.66 lbs (300 g)	24 V @ 2.5 A	89%	407.1 KHrs
ADNB012-48-1PM-C	60 W	88 - 264 Vac 124 - 370 Vdc	0.66 lbs (300 g)	48 V @ 1.25 A	89%	407.1 KHrs

Dimensions

	Height	Width	Depth
ADNB050-12-1PM-C	3.54 in (90 mm)	1.57 in (40 mm)	3.9 in (99 mm)
ADNB040-15-1PM-C	3.54 in (90 mm)	1.57 in (40 mm)	3.9 in (99 mm)
ADNB025-24-1PM-C	3.54 in (90 mm)	1.57 in (40 mm)	3.9 in (99 mm)
ADNB012-48-1PM-C	3.54 in (90 mm)	1.57 in (40 mm)	3.9 in (99 mm)

Mechanical Drawing



install DIN rail TS-35 / 7.5 or TS-35 / 15

Unit : mm / inch

WORLDWIDE OFFICES

Americas

2900 S.Diablo Way
Tempe, AZ 85282
USA
+1 888 412 7832

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
+44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
+852 2176 3333



www.artesyn.com

Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. © 2016 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit www.artesyn.com/legal.

For more information: www.artesyn.com/power
For support: productsupport.ep@artesyn.com