

# PBAMR4 Series

60 WATTS - AC/DC DIN RAIL MOUNTABLE - INDUSTRIAL CONTROL

AC/DC DIN RAIL MOUNTABLE

## FEATURES

- AC/DC Power Module
- Universal Input 90~264VAC
- High efficiency up to 86%
- Short Circuit Protection
- Internal Input Filter
- Low Profile for Building Automation



## SPECIFICATIONS

INPUT	
Input voltage range	AC in 90-264VAC DC in 120-370VDC

Line frequency	47-63Hz
Inrush current	Vi = 115VAC 20-25A Vi = 230VAC 40-50A

### OUTPUT

Output voltage accuracy	±1%
Minimum load	Not required.
Line regulation	±1%
Load regulation	±1%
Ripple and noise	BW = 20MHz, 50mV
Hold up time	Vi = 115VAC, Io nom 5V & 12V 16ms Vi = 115VAC, Io nom 15V & 24V 12ms Vi = 230VAC, Io nom 60ms

### ENVIRONMENTAL

Storage temperature	Non Operational -25 to +85°
Relative humidity	min 20% max 95%
Input Fuse	T2A / 250VAC internal
Rated over load proection	110 - 150% of Vi nom
Isolation voltage	Input / Output 3,000VAC
Isolation resistance	Input / Output at 500VDC 100MΩ
Ambient temperature	-25°C to +71°C
Derating	From +61°C to +71°C, 2.5% per °C

Cooling	Free air Convection.
Dimension	L91 x W71 x D56.5 mm

### GENERAL

Efficiency	80% - 86% typical, model dependant
Weight	250g

### STANDARDS

UL/cUL	UL508 Listed UL1310 Class 2 power supply (15V & 24V model), UL60950-1 Recognised
TUV	EN60950-1
CE	EN61000-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61204-3
C tick	AS/NZ CISPR11 Group 1, Class A
EMI standards	EN61000-6-3, EN55022 Class B

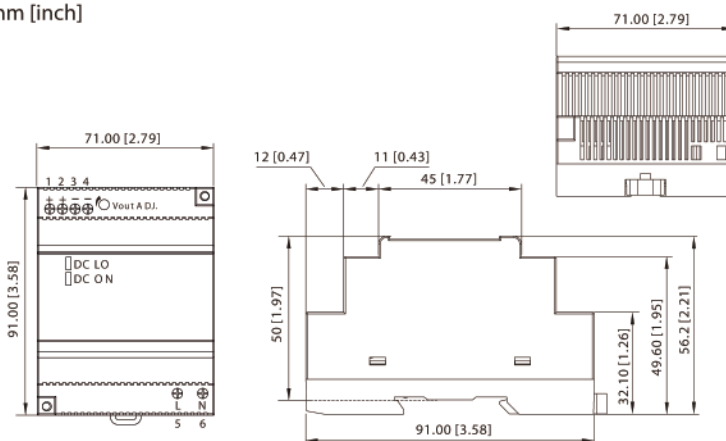
## SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER
PBAMR4-05	+ 5 VDC 7000 mA	35 WATTS
PBAMR4-12*	+ 12 VDC 4500 mA	54 WATTS
PBAMR4-15	+ 15 VDC 4000 mA	60 WATTS
PBAMR4-24*	+ 24 VDC 2500 mA	60 WATTS

\*Non indent item

## MECHANICAL & PIN CONFIGURATION

mm [inch]



### CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail; no tools required even to remove

### INSTALLATION

Ventilation / Cooling  
Normal convection  
All sides 25mm free space  
For cooling recommended  
Connector size range  
Solid: 0.2-2.0mm<sup>2</sup> (AWG24-14)  
(use copper conductors only)