

PBAMR3 Series

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

FEATURES

- AC/DC Power Module
- Universal Input 90~264VAC
- High Efficiency up to 84%
- 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 20 ms Vi = 230VAC, Io nom 100 ms
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 +56°C to +71°C, 2.5% per °C

Cooling	Free air Convection.
Dimension	L91 x W53 x D56.2 mm
GENERAL	
Efficiency	75% - 84% typical, model dependant
Weight	190g
STANDARDS	
UL/cUL	UL508 Listed UL1310 Class 2 power supply, UL60950-1 Recognised
TUV	EN60950-1
CE	EN6100-3-2, 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

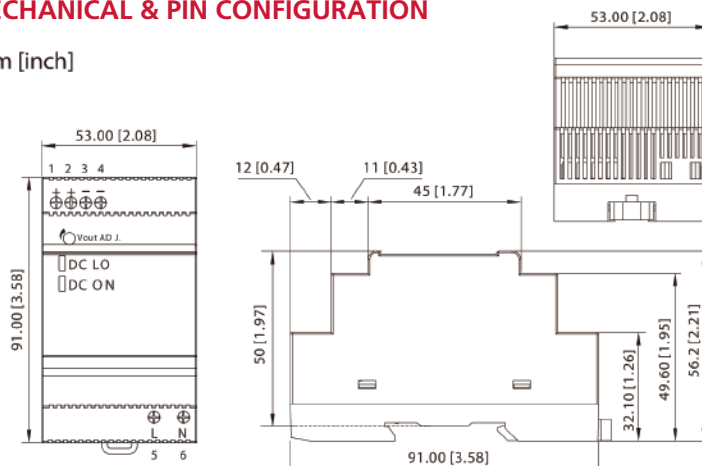
SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER
PBAMR3-05	+ 5 VDC 4500mA	22.5 WATTS
PBAMR3-12*	+ 12 VDC 2700mA	33 WATTS
PBAMR3-15	+ 15 VDC 2400mA	36 WATTS
PBAMR3-24*	+ 24 VDC 1500mA	36 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: 0.2-2.0mm² (AWG24-14)
(use copper conductors only)