

PBAMR1 Series

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

FEATURES

- AC/DC Power Module
- Universal Input 90~264VAC
- High Efficiency up to 80%
- 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 10-15A Vi: 230VAC 20-30A
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 10 ms Vi = 230VAC, Io nom 30 ms
ENVIRONMENTAL	
Storage temperature	Non Operational -25 to +85°
Relative humidity	Min 20% max 95%
Input fuse	TIA / 250VAC Internal
Rated over load protection	110-160% 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

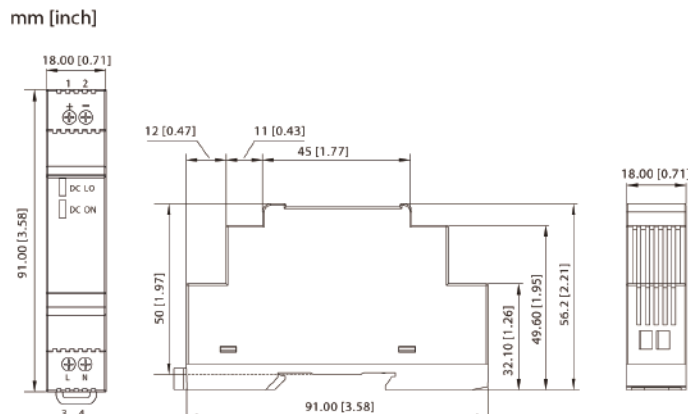
Cooling	Free air Convection.
Dimension	L91 x W18 x D56.5 mm
GENERAL	
Efficiency	74% - 80% typical, model dependant
Weight	60g-65g
STANDARDS	
UL/cUL	UL508 Listed UL1310 Class 2 power supply, UL60950-1 Recognised
TUV	EN60950-1
CE	EN6100-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, EN61000-4-3, 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	
PBAMR1-05	+ 5 VDC	1500mA	7.5 WATTS
PBAMR1-12*	+ 12 VDC	830mA	10 WATTS
PBAMR1-15	+ 15 VDC	670mA	10 WATTS
PBAMR1-24*	+ 24 VDC	420mA	10 WATTS

*Non indent item

MECHANICAL & PIN CONFIGURATION



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)