PBAMR5 Series

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

FEATURES

- AC/DC Power Module
- Universal Input 90~264VAC
- High Efficiency up to 89%
- Short Circuit Protection
- Internal Input Filter
- Low Profile for Building Automation
- Class 2 Output (24LS Model)



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 10ms Vi = 230VAC, Io nom 60ms
ENVIRONMENTAL	
Storage temperature	Non Operational -25 to +85°
Relative humidity	min 20% max 95%
Input fuse	T3.15A / 250VAC internal
Rated over load protection	For 5, 12, 15 & 24V, 110-150% of Vi nom. For 24LS, 102-108% 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 W89.9 x D57 mm
GENERAL	
Efficiency	80% - 89% typical, model dependant
Weight	380g
STANDARDS	
UL/cUL	UL508 Listed UL1310 Class 2 power supply (15V & 24V models), 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

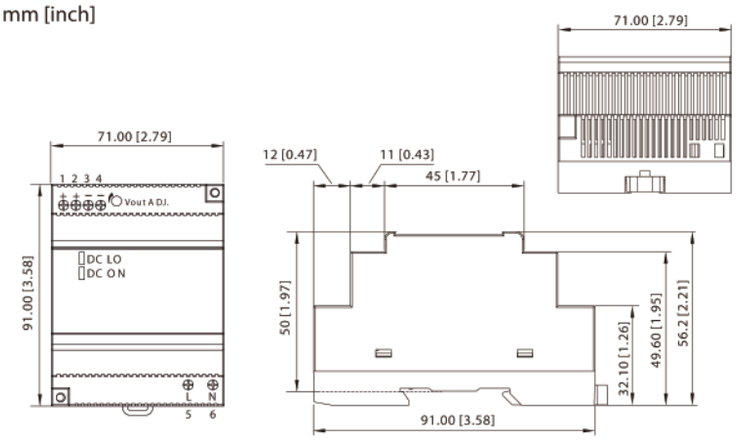
SELECTION TABLE

MODEL NUMBER	OUTPUT		POWER
PBAMR5-05	+ 5 VDC	12000 mA	60 WATTS
PBAMR5-12*	+ 12 VDC	6000 mA	72 WATTS
PBAMR5-15	+ 15 VDC	5000 mA	75 WATTS
PBAMR5-24*	+ 24 VDC	4200 mA	100.8 WATTS
PB AMR5-24LS	+ 24 VDC	3800 mA	91.2 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 25m/m free space
- For cooling recommended

Connector size range
- Solid:0.2-2.0mm^2(AWG24-14)
- (use copper conductors only)