



AMADEO 12VDC POWER SUPPLY

Your innovative key card system for hotels and Access control systems

TECHNICAL DATA SHEET

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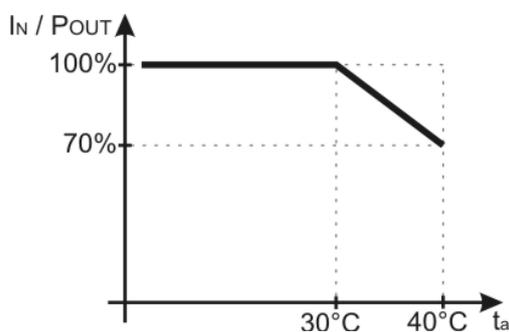
A PERFECT FIT FOR ANY HOTEL OR ACCESS CONTROL

Stabilized DC power supply is intended for supply Wall Readers and Door Managers. It provides a stabilized voltage of 12VDC.

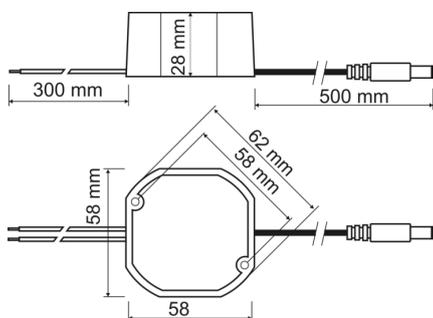
Power supply can be assembled in installation box or fitted with 3mm screws.

The unit is protected against short-circuit and overload

TECHNICAL DETAILS:



Graph 1. Relation between output current and ambient temperature (instantaneous load)



PARAMETER	VALUE
Supply voltage	90 - 264VAC 50-60 Hz
Current consumption	0,16A at 230V AC max
Supply power	18W max
Efficiency	81%
Output Voltage	12VDC
Output current t _{AMB} <30°C	1,5A - refer to graph 1.
Output current t _{AMB} =40°C	1A - refer to graph 1.
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	Electronic, automatic recovery
Overload protection OLP	105-150% of power supply, automatic recovery
IP protection class	IP67
Operation conditions temperature	0°C to +40 °C
Relative humidity	20% - 90%
Dimensions (LxWxH)	58 x 58 x 28 [mm]
weight	0,16kg / 0,19kg
Protection class PN-EN 60950-1:2007	II (second)
Length of DC cable	0,5m + plug DC5,5/2,1 female
Length of AC cable	0,3 m
Storage temperature	-20°C to +60 °C

Requirements :

The power supply shall be mounted by the qualified installer having appropriate (required and necessary for a given country) permissions and qualifications for connecting (operating) low-voltage installations. The power supply shall be mounted in closed rooms, according to the environment class II, of the normal air humidity (RH=90% max.) and the temperature within the range from 0°C to +40°C. In order to fulfill LVD and EMC requirements the rules for power supplies, encasing and shielding shall be observed according to application.

Installation procedure:

1. Fit the power supply inside the box or other device.
2. Connect the DC output to the load or to the terminal block.
3. Connect the power supply to the AC line.
4. After tests and operation control are performed, close installation box, case etc. and switch on the power (230V AC).



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