



10 Watt, Regulated AC/DC Modules, PCB mounting Series DVA10MP



Features

- Wide Input Range 90 – 264 VAC
- Single Outputs, Regulated
- Isolation I/O 3,75K VAC
- Approval CSA60950-1/ , UL60950-1
- Efficiency to 83%
- Operating Tem. Range -40°C to +85°C
- EN60950 / EN 55022 Class B / CE Conformity

MODEL NUMBER	INPUT VOLTAGE [VAC (47...63Hz) / VDC]	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [mA]	EFF. [%] Typ.	OUTPUT POWER [W]	APPROVAL	CASE
DVA90-264-5,1S1600MP	90 – 265 VAC / 100 – 250 VDC	5,1	1600	75	8,16	CSA c/us	MP
DVA90-264-05S2000MP*		5	2000	75	10		
DVA90-264-12S830MP*		12	830	80	10		
DVA90-264-15S660MP*		15	660	80	10		
DVA90-264-24S420MP*		24	420	83	10		

Note:

*On request

1. Only for Vout 5V/2A ; 12V / 15V / 24V:
Output Power 10Watt for Input Voltage 120 to 250VDC;
Output Power 6Watt for Input Voltage 100 to 120VDC
2. DVA90-264-05S2000MP:
Vin Range ≥180Vac to 265Vac: Output Voltage 5Vdc / 2000mA
Vin Range 90Vac to <180Vac: Output Voltage 5Vdc / 1500mA

INPUT SPECIFICATIONS:

Input Voltage.....	90 – 264VAC / 100 – 250VDC
Input Frequency.....	47 – 63Hz / 0 Hz

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy.....		±3,0%
Ripple.....	I load=I nom.; BW=1MHz	≤1%
Noise (≤30MHz).....	I load=I nom.; BW=30MHz	≤2%
Temperature Coefficient.....	-40°C ≤ Ta ≤ +85°	0,02%/K max.
Response Time (70 – 100%).....	(10% - 90%)*Inom	≤2,5ms
Short Circuit Protection.....		continuous
Short Circuit Current.....		≤1,5*Inom
Line Regulation.....	I load = I nom.	≤0,1%
Load Regulation.....	I load=(10% - 90%)*Inom	±0,5%

GENERAL SPECIFICATIONS:

Efficiency.....		see table
Isolation Voltage I/O.....		3,75K VAC
Switching Frequency.....		67 KHz
Operating Temperature Range.....		-40°C to +85°C
Derating above 55°C.....	5,1V	1,76%/K
	Output 12V ; 15V ; 24V	2,0%/K
Derating above 50°C.....	Output 5V / 2A	2,5%/K
Over Temperature Protection.....	Measured Middle of Case	100°C
Storage Temperature Range.....		-40°C to +105°C
Interference immunity.....		EN61000-6-2
	ESD Electrostatic discharge.....	EN61000-4-2
	RF field susceptibility.....	EN61000-4-3
	Burst.....	(±2KV) EN61000-4-4
	Surge.....	(±1KV symmetrical, ±2kV asymmetrical) EN61000-4-5
	HF fields conducted disturbances.....	EN61000-4-6
	Voltage interruption.....	EN61000-4-11
EMI/RFI Conducted.....		EN61000-6-4 (EN55022 Class B)
Electrical Safety (in Accordance with).....		EN60950
Approvals.....	Output 5,1V	CSA60950-1-2nd;UL60950-1-07-2nd
Dimension (L x W x H).....		52 x 36,50 x 25 mm
Case Material.....		Plastic

Note:

Installation requirement: According to EN60950-1 is mains in the phase line (L) a fuse max. 1,0 A/T should be.

Proposal: SIBA Reihe 166000 1A/T.

„ For DC-Operation a fuse according to the application is to be used.“

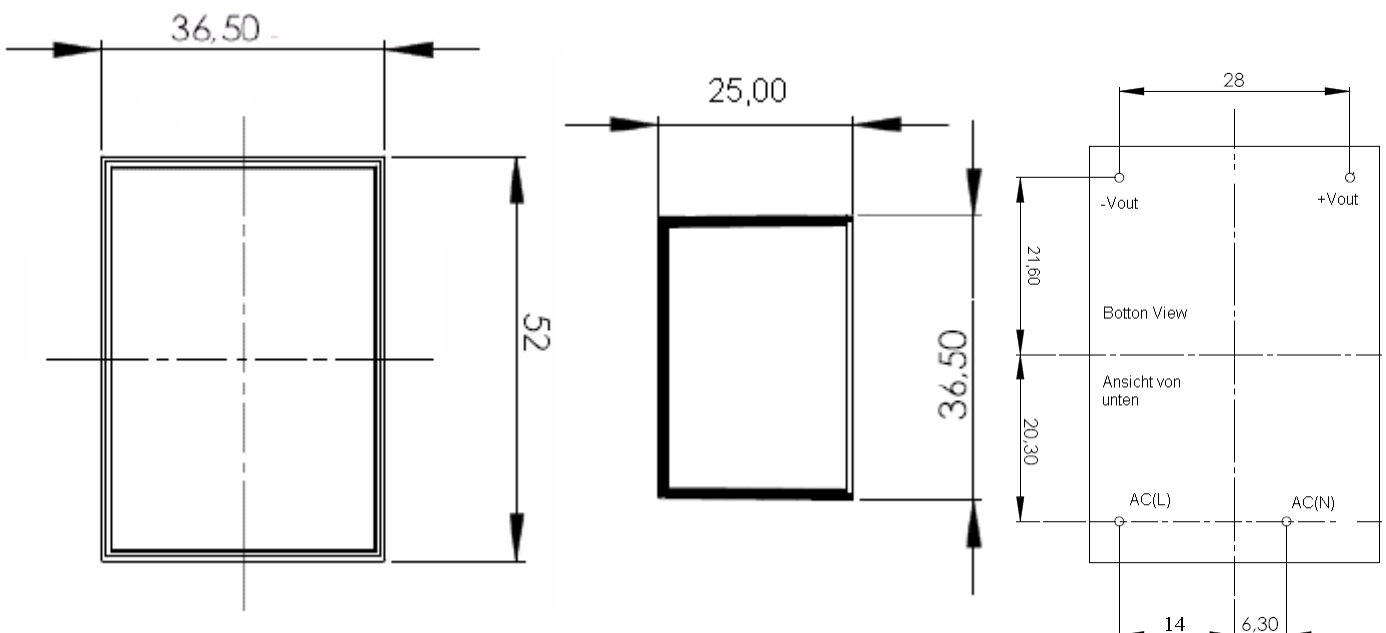
(Proposal: fuse with order number 179200.1. from SIBA - UL recognized with 1500A@300VDC breaking capacity).

Technical Data at Ta=25°C and Vin=230Veff unless otherwise specified.

CASE MP

Bottom View. Pin diameter = 1.0 mm

Pin pitch tolerance: ±0.3 mm



Technische Änderungen vorbehalten / Specifications are subject to change without notice

