



**5 Watt, AC&DC Universal Input Modules, PCB mounting
Series DV5U-M**



Features

- Universal Input Range 85 – 264 VAC & 18 – 288 VDC
- Single Outputs, Regulated
- Isolation I/O 3,75K VAC
- Insulation Grade Reinforced ES1/SELV
- EN61000-6-3 (EN55022 Class B) / CE Conformity
- Operating Tem. Range -40°C to +85°C
- Safety EN62368
- Over Voltage Category OVC II

MODEL NUMBER	INPUT VOLTAGE [VAC / VDC]	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [mA]	CAPACITIVE LOAD MAX. [μ F]	EFF. TYP. [%]	CASE [mm]
DV5U-S05M (Note1)	85 – 264 VAC & 18 – 288 VDC	5	1000			52,5x27,3x23,8
DV5U-S12M (Note1)		12	416			
DV5U-S15M (Note1)		15	333			
DV5U-S24M		24	208	200	72	
DV5U-S48M (Note1)		48	104			

Note: 1. On Request

INPUT SPECIFICATIONS:

Input Voltage.....	85 – 264 VAC / 18 – 288 VDC
Input Frequency.....	47 – 400Hz / 0 Hz

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy.....	±3,5%
Output Current Min.....	0 mA
Ripple & Noise..... I load=I nom.; BW=20MHz.....	≤ 100mVp-p typ.
Load Regulation..... 10% - 90% Inom.....	±2,0% max.
Line Regulation..... at full load.....	±1,0% max.
Temperature Coefficient.....	0,04%/K max.
Short Circuit Protection.....	continuous (hiccup mode)

GENERAL SPECIFICATIONS:

Efficiency.....	see table
Isolation Voltage I/O.....	3,75K VAC
Switching Frequency.....	60 KHz typ.
Operating Temperature Range.....	-40°C to +85°C
Derating.....	see Derating Curve
Input Range 18 to 21,6 VDC.....	Output Power 3W max.
Over Temperature Protection.....	Yes
Over Voltage Category.....	OVC II
Reinforced Insulation Grade.....	ES1/SELV
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.....	EN61000-6-3 (EN55022 Class B)
Electrical Safety (in Accordance with).....	EN62368
Dimension (L x W x H).....	52,5 x 27,3 x 23,8 mm
Case Material.....	Plastic (UL94V-0)

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

Note:

Installation requirement: According to EN62368, the input circuit must be protected by a fuse in the phase (L) connection.

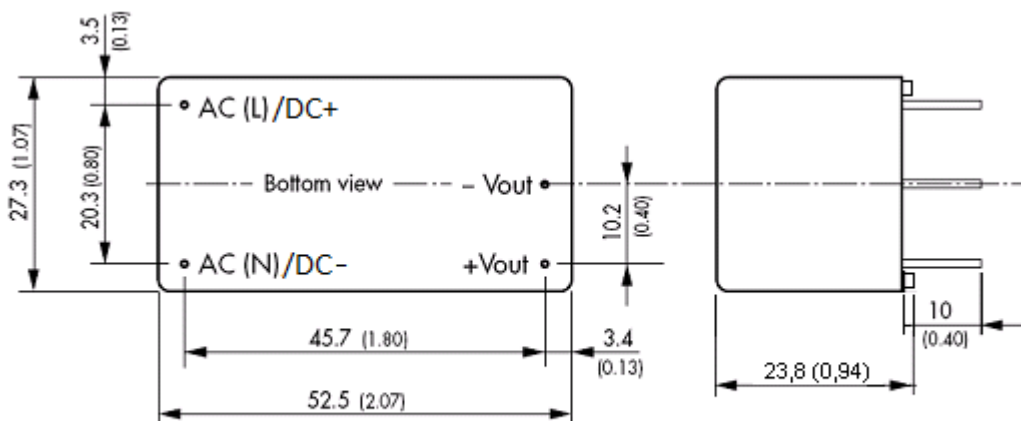
Type: SIBA 160016.1 (1A, slow blow)

MECHANICAL DIMENSION

Series DV5U-M

Bottom View. Pin diameter = 1.0 mm (0.04 Inch)

Pin pitch tolerance: ±0.3 mm (0.012 Inch)



Weight: 55 g (1.94 oz)

Pin diameter: 1.0 (0.04)

