



## 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
- Output Circuit Classification ES1/PS1 (LPS)
- Case 52,5x27,3x23,8 (mm)
- Operating Tem. Range -40°C to +85°C
- Safety IEC/EN62368
- Over Voltage Category OVC II
- EN61000-6-2, EN61000-6-3, EN55032 Class B

MODEL NUMBER	INPUT VOLTAGE [ VAC / VDC ]	OUTPUT VOLTAGE [ VDC ]	OUTPUT CURRENT MAX. [ mA ]	CAPACITIVE LOAD MAX. [ $\mu$ F ]	EFF. @ 230 VAC TYP. [ % ]	EFF. @ 48 VDC TYP. [ % ]
DV5U-S05M (Note1)	85 – 264 VAC & 18 – 288 VDC	5	1000			
DV5U-S12M (Note1)		12	416			
DV5U-S15M (Note1)		15	333			
DV5U-S24M		24	208	200	74	80
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 Approved .....	ES1/SELV
Output Circuit Classification Approved .....	ES1/PS1(LPS)
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.....	EN61000-6-2, EN61000-6-3, EN55032 Class B
Electrical Safety ( in Accordance with ) .....	IEC/EN62368-1
Dimension ( L x W x H ) .....	52,5 x 27,3 x 23,8 mm
Case Material .....	Plastic ( UL94V-0 )
Weight.....	55g typ.

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.

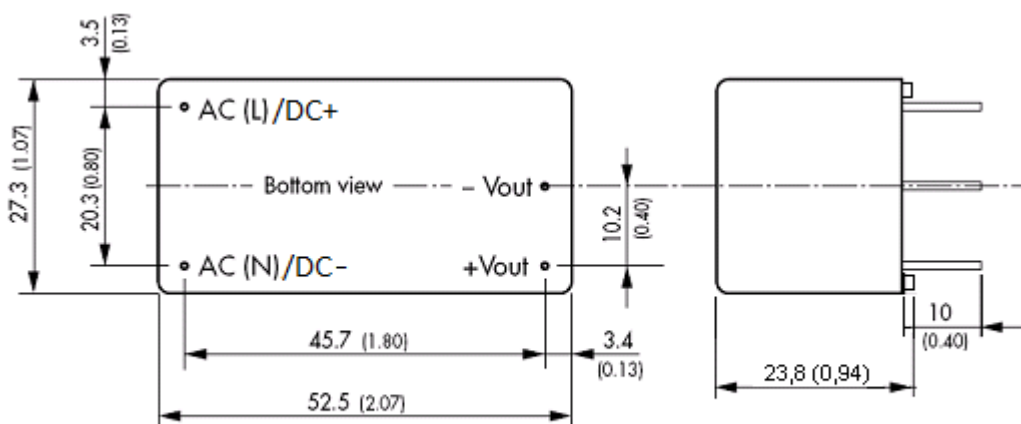
Type: SIBA 160016.1 (1A, slow blow)

## 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)

Technische Änderungen vorbehalten / Specifications are subject to change without notice

