

Features

- ◆ Ultraminiature AC/DC Power Supply Modules
- ◆ Fully encapsulated Plastic Package
- ◆ Universal Input 85-264 VAC, 50/60 Hz
- ◆ High Efficiency
- ◆ Low Ripple and Noise
- ◆ Overload Protection
- ◆ EMI meets EN 55022, Class B and FCC, Level B
- ◆ 3 Package Styles available:
 - for PCB Mounting with Solder Pins
 - for Chassis Mounting with FASTON-Tabs
 - for Chassis Mounting with Screw Terminals
- ◆ 3 Year Product Warranty



The TMS series switching power supplies offers high power density in a low profile package. This makes these modules the best choice for all space critical applications. A further feature is the easy installation provided by flexible connection systems (solderpins, terminalblock, FASTON-tabs).

EMC specifications and compliance with international safety standards qualify the product for worldwide use. SMD-construction and industrial quality grade components guarantee a high reliability of these power modules.

Models

Ordercode			Output Power max.	Output 1 Inom	Output 2 Inom
PCB-mounting with solder pins	Chassis mounting with FASTON-tabs	Chassis mounting with screw terminals			
TMS 06105 TMS 06112 TMS 06115 TMS 06124 TMS 06212 TMS 06215			6 Watt	5 VDC / 1200 mA 12 VDC / 500 mA 15 VDC / 400 mA 24 VDC / 250 mA +12 VDC / 250 mA +15 VDC / 200 mA	-12 VDC / 250 mA -15 VDC / 200 mA
TMS 10105 TMS 10112 TMS 10115 TMS 10124 TMS 10212 TMS 10215	TMS 10105F TMS 10112F TMS 10115F TMS 10124F TMS 10212F TMS 10215F			5 VDC / 2000 mA 12 VDC / 900 mA 15 VDC / 700 mA 24 VDC / 450 mA +12 VDC / 450 mA +15 VDC / 350 mA	
TMS 15105 TMS 15112 TMS 15115 TMS 15124 TMS 15212 TMS 15215	TMS 15105F TMS 15112F TMS 15115F TMS 15124F TMS 15212F TMS 15215F	TMS 15105C TMS 15112C TMS 15115C TMS 15124C TMS 15212C TMS 15215C		5 VDC / 3000 mA 12 VDC / 1300 mA 15 VDC / 1000 mA 24 VDC / 650 mA +12 VDC / 650 mA +15 VDC / 500 mA	
TMS 25105 TMS 25112 TMS 25115 TMS 25124 TMS 25212 TMS 25215	TMS 25105F TMS 25112F TMS 25115F TMS 25124F TMS 25212F TMS 25215F	TMS 25105C TMS 25112C TMS 25115C TMS 25124C TMS 25212C TMS 25215C		5 VDC / 4600 mA 12 VDC / 2000 mA 15 VDC / 1600 mA 24 VDC / 1000 mA +12 VDC / 1000 mA +15 VDC / 800 mA	

* 10 % Power reduction at 115 VAC operation

Input Specifications

Input voltage range	85 – 264 VAC (110–375 VDC)
Input frequency	47 – 63 Hz
External input fuse (recommended)	1A slow blow

Output Specifications

Voltage set accuracy	± 2 %
Regulation	– Input variation – Load variation (10–90%) single output models: 1 % max. dual output models: 2 % typ. / 5 % max. (symmetric load)
Ripple and noise (20Mhz Bandwidth)	100 mV pp typ.
Overload protection by current limit at	>130 % Inom. foldback, automatic recovery (long term short circuit operation may cause damage to the unit)

General Specifications

Temperature ranges	– Operating – Case temperature – Storage (non operating)
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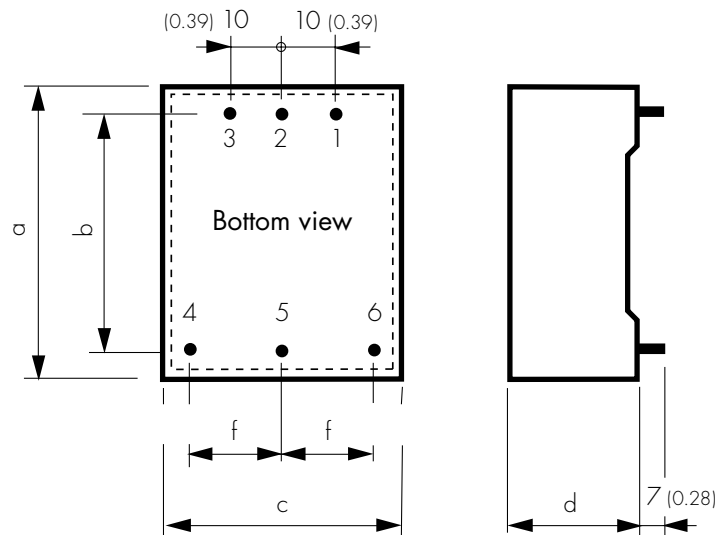
– 25 °C...+60 °C ambient temp. max.
+ 90 °C max.
– 25 °C...+105 °C

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

Outline Dimensions mm (inches)

PCB-mounting with solder pins

TMS 6/10/15 W

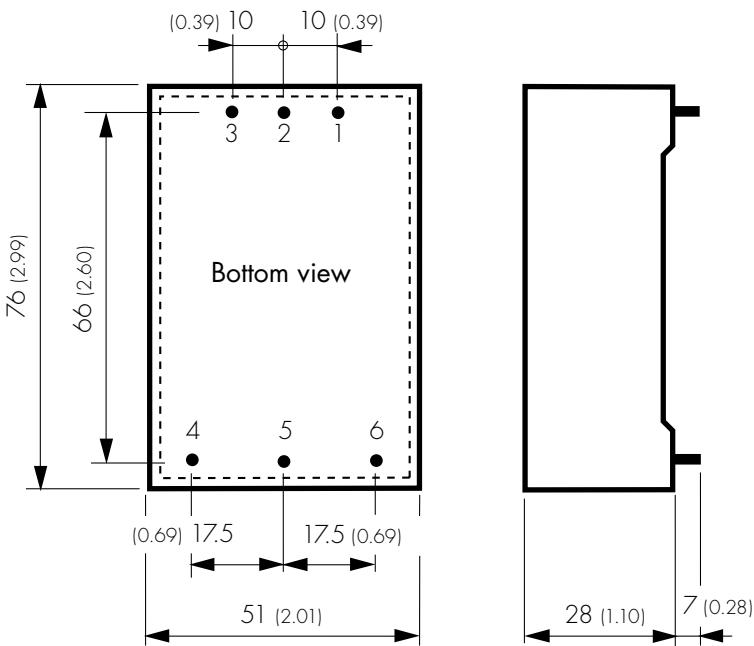


Pin diameter $\varnothing 1.0 \pm 0.1$ (0.04 ± 0.004)

Pin-Out			
	TMS 6	TMS 10	TMS 15
a	50 (1.97)	55 (2.17)	64 (2.52)
b	42 (1.65)	47 (1.85)	54 (2.13)
c	40 (1.57)	45 (1.77)	45 (1.77)
d	20 (0.79)	24 (0.94)	24 (0.94)
f	15.5 (0.61)	17.5 (0.69)	17.5 (0.69)

Weight	TMS 6	45 g (1.6 oz)
	TMS 10	75 g (2.7 oz)
	TMS 15	95 g (3.4 oz)
	TMS 25	135 g (4.8 oz)

TMS 25 W

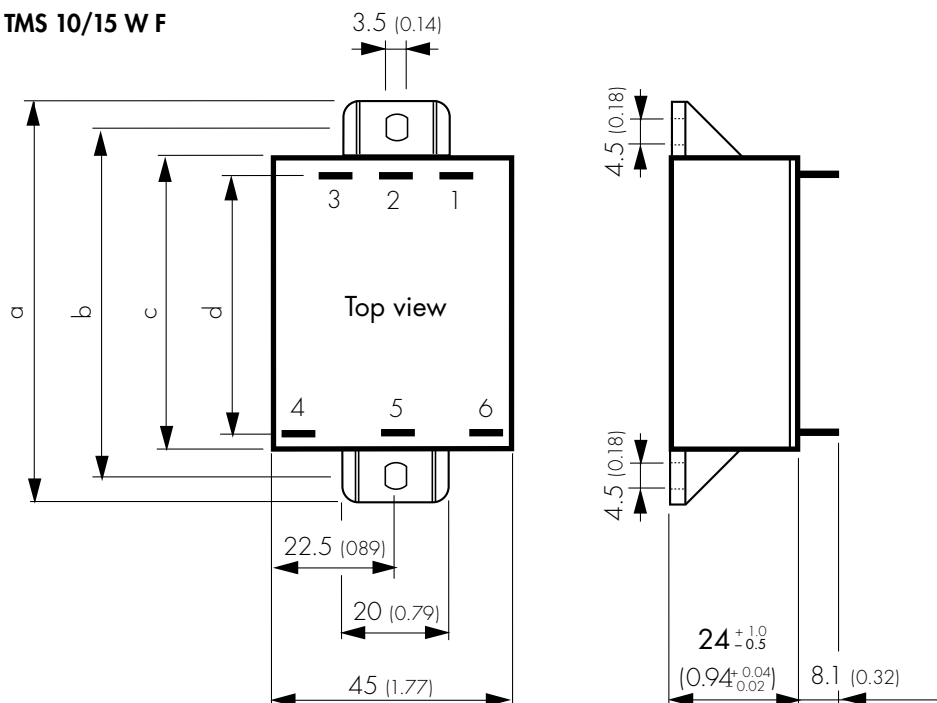


Pin diameter $\varnothing 1.0 \pm 0.1$ (0.04 ± 0.004)

Pin-Out		
Pin	Single	Dual
1	-V out	-V out
2	No Pin	Common
3	+V out	+V out
4	AC in	AC in
5	AC in	AC in
6	FG	FG

FG = field ground

Specifications can be changed without notice

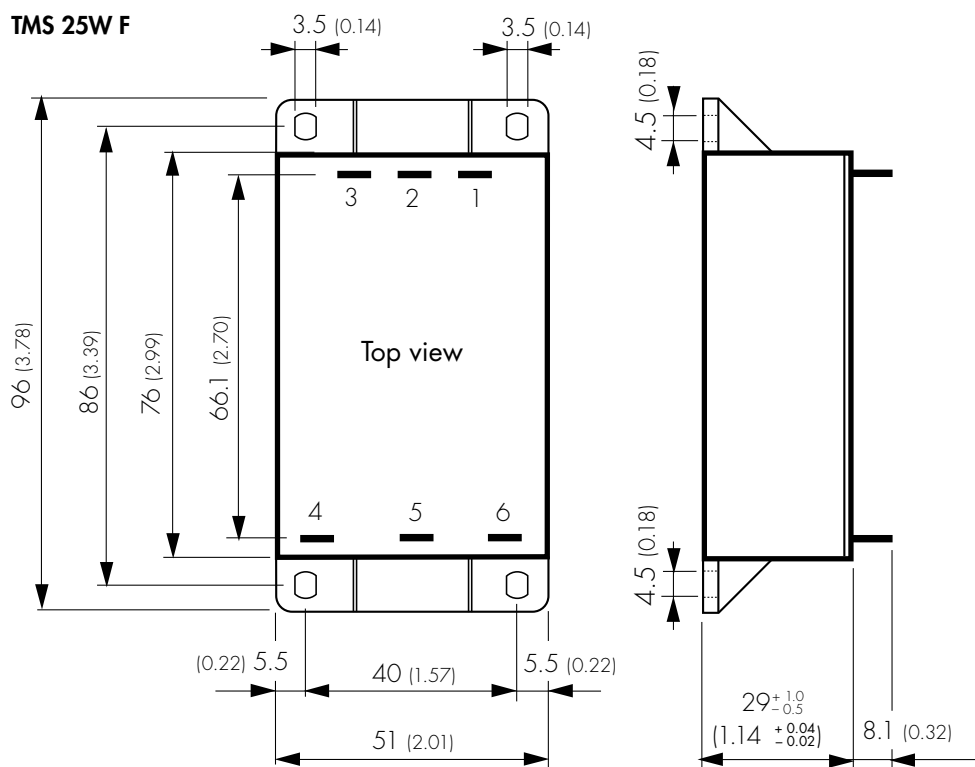
Outline Dimensions mm (inches)
Chassis mounting with FASTON-tabs
TMS 10/15 W F


Faston no 187 / 4.75 x 0.51mm (0.187 x 0.02)

Pin-Out

	TMS 10	TMS 15
a	75 (2.95)	84 (3.31)
b	65 (2.56)	74 (2.91)
c	55 (2.17)	64 (2.52)
d	47.6 (1.87)	55.1 (2.17)

Weight	TMS 10	80 g (2.8 oz)
	TMS 15	100 g (3.5 oz)
	TMS 25	150 g (5.3 oz)

TMS 25W F


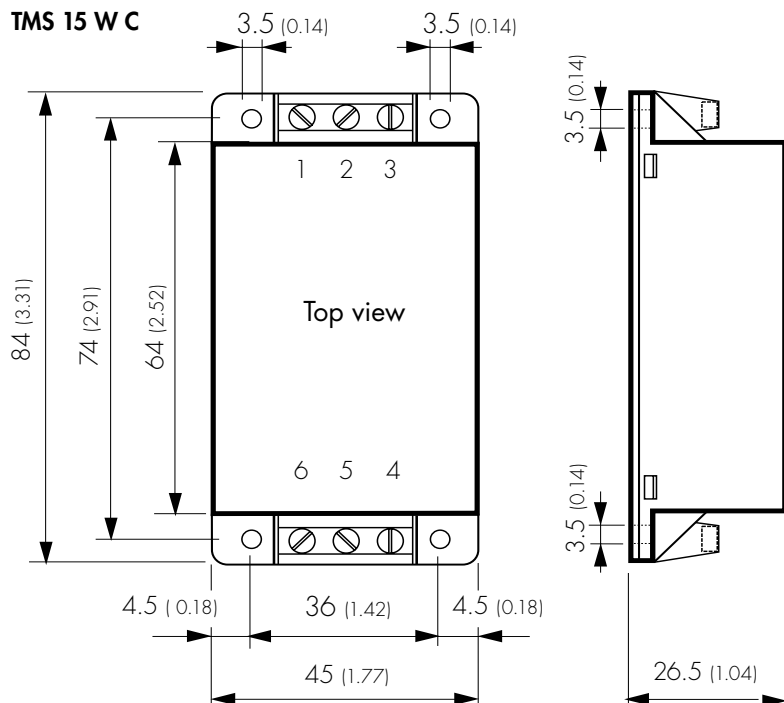
Faston no 187 / 4.75 x 0.51mm (0.187 x 0.02)

Pin-Out

Pin	Single	Dual
1	-V out	-V out
2	No Tab	Common
3	+V out	+V out
4	AC in	AC in
5	AC in	AC in
6	FG	FG

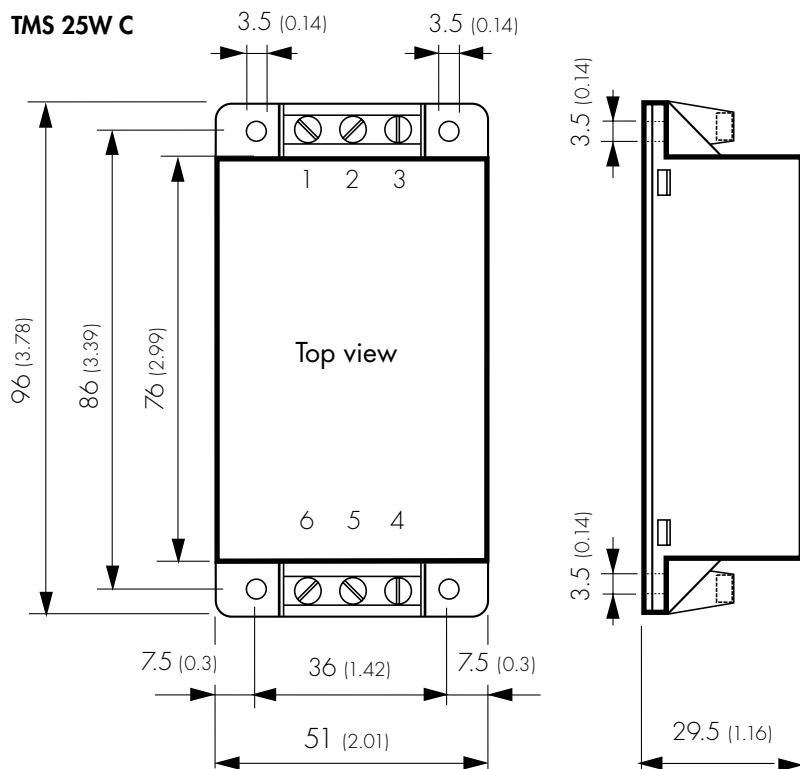
FG = field ground

Specifications can be changed without notice

Outline Dimensions mm (inches)
Chassis mounting with screw terminals
TMS 15 W C


Faston no 187 / 4.75 x 0.51mm (0.187 x 0.02)

Weight **TMS 15** 105 g (3.7 oz)
 TMS 25 165 g (5.8 oz)

TMS 25W C


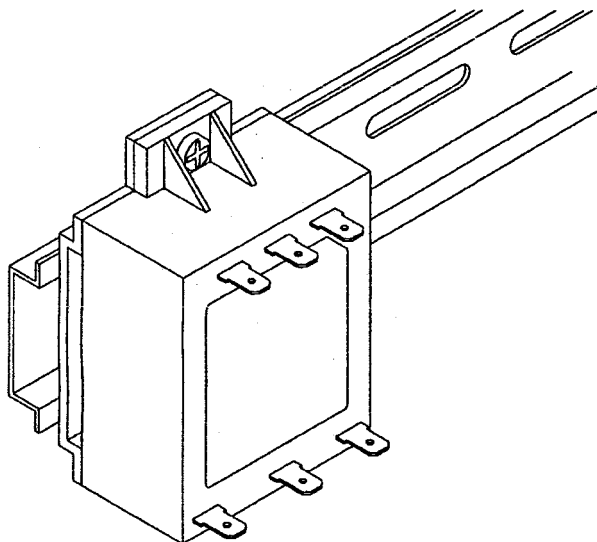
Input- and output screw terminal block: GMKDS 1.5/3-7.62 (Phoenix)

Specifications can be changed without notice

Pin-Out		
Pin	Single	Dual
1	-V out	-V out
2	No function	Common
3	+V out	+V out
4	AC in	AC in
5	AC in	AC in
6	FG	FG

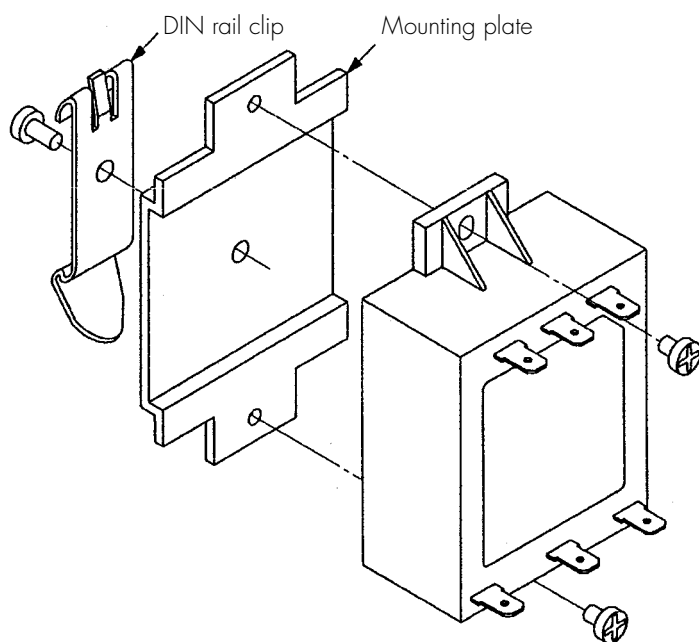
FG = field ground

DIN-Rail Mounting



Order code		
Mountin kit for:	FASTON-tabs version	Srew terminals version
TMS 10 Series	TMS-DM10	---
TMS 15 Series	TMS-DM15	TMS-DM15C
TMS 25 Series	TMS-DM25	TMS-DM25C

Mounting kit contains mounting plate, clip and screws



Specifications can be changed any time without notice