

PSM01801

19" 3U 8TE

Made in Germany

180 Watts 1 output Power Supply Front End
115/230Vac Select Input, -20...+70°C

Short Specification:

- 19 Inch 3U Norm Front End Slide-in-Unit
- Aluminium housing
- Up to 90% efficiency
- -20°C...+60°C full output power
- Free air convection
- Galvanic insulated
- Continuous short circuit protected
- Overload & low voltage protected
- Soft start & auto-recovery
- Minimum load = 0A
- Hold up time >50ms
- Switching frequency typ. 100KHz
- EMI/EMS EN61000-6-2,3, EN55022 class B
- PFC EN61000-3-2 class A
- cUL60950/16950 IEC(EN)60950-1
- H11M DIN61612 connector
- 24 hours burn in test
- High reliability, shock & vibration resistant

Special Features:

AC-Line switch available



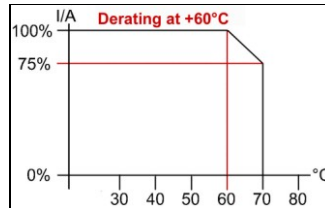
Single Output: 5V,12V,15V,24V,48V,60V



In accordance with IEC60950-1

AC-Input	85...132Vac / 170...265Vac, 47...63Hz , 250....375Vdc					
AC Input Rating	100...120Vac / 220...240Vac , 115Vac <3A / 230Vac 1.5A					
Rated DC-Voltage	5V	12V	15V	24V	48V	60V
Rated DC-Load	25.0A	15.0A	12.0A	7.5A	3.8A	3.0A
Ripple [mVpp] ^{230Vac}	25 (20MHz)	25 (20MHz)	25 (20MHz)	20 (20MHz)	50 (20MHz)	50 (20MHz)
Adjustment Range	12V,15V,24V: -5%/+20%			48V,60V: -5%/+10%		
Sensing for 5Vdc	5V sense ± 0.3V line comp.					
Available options	AC Line Switch (option S)					
Order code: PSM01801.Voltages.switch(S) Example: 15Vdc with line switch PSM01801.15.S (neutral front panel is included)						

Stability at Load Switch 1ms	< ± 1% 10-100%, 100-10% (12V)
Switcher frequency	100KHz typical
Efficiency	Up to 90%
Overload Protection	1,2x I _{rated} , auto recovery
Over Voltage Protection	145% of U _{out} , auto recovery
Short Circuit Protection	Continuous
Temperature Control	Yes
Hold Up Time	> 50ms at 230Vac
Inrush Current	< 24A (230Vac)
Softstart	100ms typ.
Cooling	Free air convection
Ambient Temp.	- 20°C ... +70°C
Storage Temperature	- 40°C ... +85°C
EMI	EN55022 class B / EN61000-3-2
EMS	EN61000-6-2,3
Safety	cUL60950/1950 (IEC)EN60950-1
Safety class 1(A)	VDE0805, VDE0100
Air & Surface Leakage Paths	> 8mm
Input/Output	Galvanic insulated
Minimum Load	0A
MTBF at full load	300000h
Dimensions (HxWxD)	3U 10FS DIN41494, D=220mm
Weight	900g
Connector	H11M DIN61612
Power Good	Relay max. 48V/500mA Pin 14+17 closed when o.k.



H11M DIN41612 connector

- 32 = PE
- 29 = L
- 26 = N
- 23 = not used
- 20 = power good
- 17 = power good
- 14 = power good
- 11 = sense -
- 8 = sense +
- 5 = output -
- 2 = output +

Conception:

The Camtec PSM-Series provides high efficiency by using a very small space front end systems. Having the latest FET-technology leads to the most reliable system availability. The Camtec Overload Design guarantees state of the art power reserve. All electronic devices are generally fixed. The PSM can handle hard conditions of use in vehicles or in military applications.

Parallel & Serial Operation Modes

The PSM-Series is designed for parallel-redundant operation (increases maximum output load) or for series operation (doubles output voltage). A pair of PSM-Modules with equal output voltages is necessary.

DC Power Good Monitoring

The power good contact section of the H11M connector allows recording the operation mode locally (good/failure).

